aactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240

aaggcctaga cgaaggaata gcctatttta atatttacaa agataagcgg gctcatactt 300

agccatgggg ctcgaaatct accctaaggc tcatgagaac cctagggcct ttccttggat 360

... ...

<210> 17820
<211> 375
<212> DNA
<213> Glycine max

<400> 17820

agcttgccct agttaagttt aggaaagtca ttcattaaat gacagtacat ttgtttcatg 60

ttttgctgtt ttacaaaaag agctaaaact actctgttgc acttcgtcta catatacctc 120

aacattacta tgcttaataa aatttggtga tcttagtaaa acataaagca ctttctcaaa 180

tattaagatc aaaataacat tcagcgtatcc aagagatgca gccaaaataa ataatgagaa 240

cattaaaaaa ctgaattacc tcacttaaaa tgagaacccc tttcttggat gcttgacacg 300

caacaaattc atagctgaca agattcattc catcccttac agatgtaaca agtgctacat 360

ctaaattcga tgtga 375

<210> 17821
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17821

ntcaacatca gggttggggc agcagggaca tgaatgtatc cattctattc caatttctct 60

cttttgtctt tttattagta tttttttttaa attgaactaa cattctatgc tcttaagttt 120

ggcttctttt catacttgta tataaatgta aggtgtccct ttcatacccc cttttgtgtt 180

gcttggacat gcttgtgagt ttttttgtttt cctttttctct ttttgataat ttgattggac 240

atgcttgtga gtttttttgtt ttcctttttct cttttttgata atttgattga tgtgtgagca 300

atgatggtta ggagggagga agaagtgtct gaatttctgag ctatggcatg catgcacggg 360

ccccttggtg tcccttaccaa ctgcagggac tcatgtggtt tacttccctc aaggtcataa 420

tga 423

<210> 17822
<211> 360
<212> DNA
<213> Glycine max

[illegible]

ttggatttgt gtttttcata ggggaatacaa ccttcacttg gatgtaaaaa agtactcgat 120

agtcactctt ttgacttgtg aggcagaata cgtagcagct acttcatgcg tttgtcctgt 180

agtctggctt aggaattttgt taaaagagtt ggacatgtca caagacgagc agaccaagac 240

ctttgtggat aatnagtcaa ccattgctct agtaaagaac ccagtgttcc atgatcgaag 300

caaacatatt gacactcgtt accactacat aagatagtgc atagcaagaa aggatgtaca 360

<210> 17823
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17823

ttaacttaat tatattacac ttgtttatgt atgtgtttat ctcttgactt aaatataatt 60

ttggtcattt tattttactc aatacgtaat tttggtctct ctatttaaa attaaaatat 120

ttgatactcc tatttttaaa aatctacaat tttggtctct ctatttaaa atacaaacat 180

tttgtcccta tattttagaa aattcataat tntgattctc atattataga aaattcacaa 240

ttttggttta atatataatt tctcctatgt ttcatttctt ttatttttta ctttgtagtt 300

aattaaatca tttcttgatg atatcttaaa tgaatatgta gatttaggat ttaattagac 360

caacacataa gatataaaa 379

<210> 17824
<211> 371
<212> DNA
<213> Glycine max

<400> 17824

agcttgatcc ttacgagtca acttggtcaa aggcaaggct aacttgagga aaccttctat 60

gaatcttcag taatatcccg ctaaactgag taaacttcta atttcatata cagatgactc 120

tcccacttaa gaaaaacttc attttagaaa gatctacagc tatatcgcct tgggatatca 180

catgtcttag gaaactaagt ttccctaact aaaactcgca cctggaatct tagcttaaag 240

<210> 17825
<211> 423
<212> DNA
<213> Glycine max

<400> 17825

tcatgttgaa gtatgtatgg aaaaacttca ttactgttgt ttaacacata caagtgagct 60

tgtaacaaat cttcagactt ggagttataa catgcagtcc tcttcaaccc ttaccaccca 120

ctctgtcgtc atggtaagac ttatgaagcc caataggttt tgccttttca atgtactctg 180

aacaaaactc aatggctttt tcttcaatgt acctttcaac aatagaagct tccggacgat 240

gtagattctt ggtataccct tttaagatct tcatgtatcg ctcaactggg tacatccgcc 300

gcaaataaat aggaccccaa catttgattt ctcagaccag atgaacaatt aagtgaacca 360

tgatgtcaaa gaaagtagga ggaaaataca tctccaattg gcataatgta attgcagcct 420

cat 423

<210> 17826
<211> 361
<212> DNA
<213> Glycine max

<400> 17826

atctttctat caatgtgatt aacaaccaca atttaattaa ttaattaatt aacataacga 60

aatcagagcc aggataccta agattgattt gattcgtcga ttaaatgact agattgttca 120

attcaaaaag gaatttacta ctactactac tactacagaa cgtatgaact tgaattgcta 180

gtacgatcct gaacgatgag aaataaatga taataagaaa gaaagtacct tcggatcttg 240

ttgccctggc cgacctggta catgccccaa gagaaagcgc cgaatgtggt gacgaagata 300

gcaacggcgc tggggccctt gttcgggatg cgccgggcga accggaccgg agcgaacccg 360

c 361

<210> 17827
[illegible]

[illegible]

tcaatattca atatcgagcg tttcgatata ttacgtgact gaaccagaca tccgagtaaa 60

aagttactgt agtttgaagt tgctcggagc ttcaacattc aatatcgagc gtttcgatat 120

attacagaac agaatcggac atcagagtaa aaagttaatg tcgtttgaat tatgtcagag 180

cttcggtatt ccatttcgag cgtctcgata ttacgggga ctcagtcaga catccgagta 240

aaaagttact gtcgtttgaa ttttctcaga gcttcgataa tcaatttcga gtgtctcaat 300

atattacgcg actcagtcag acaatcgagt aaaaagttat tgtcgtttga attatctcag 360

aacttcggta ttccatttcg agcgtctcga tatactacgg gactcaatca gacatccgag 420

taaaatg 427

<210> 17828
<211> 360
<212> DNA
<213> Glycine max

<400> 17828

atgccagtaa aaagttactg gtggctgaag ttgctcagag cttccacatt caatatcgag 60

cgtttcgaga tatgacacaa caaaatcgga catcaaaatg aacagttaag gccatgcgaa 120

ttatgtcaca gcttccgtat tccatttcga gcgtctcgat atattacgcg actcacacaa 180

acatccgagt aaagacttac tggcgtttga attttctcag aacttccata atcaatttcg 240

agtgtatcaa tatattacgc gactcaggca gacaaccgag tagaaagtga ttgtcgtttg 300

aattatctca gagcttccgt attccattac tagcgtctcg atatactaca ggactcaatc 360

<210> 17829
<211> 403
<212> DNA
<213> Glycine max

<400> 17829

agtttgacta tgttatgcaa attgtctctt atggccatga ctaacaattg ttgcatcaag 60

atgtggcaat catgagactt taagcctact aatttaagat ctttcaactg cactttggctc 120

[illegible] 180

[illegible] 240

[illegible] 300

catctttcgt cttgccttga atgttaagat gcgtcccaat gacacttatca catatatttt 360

tcttcacatg catatcatta atacaatgtc taacatctag atc 403

<210> 17830
<211> 233
<212> DNA
<213> Glycine max

<400> 17830

actcaagctt gtagaacaat aaatcccaac acaccacatc actgttgtc tcttaatctg 60

tttgaaaaag agtattcctt cttctccctt cttgcatcgt caataacctc attgaccacc 120

aaggtactat gaaaaagata cctatctttc aagaaggtgt tttgcttttg atcaataact 180

ccatttaata ccttcatcaa cctattggca agtaattttg ccaatatttt gta 233

<210> 17831
<211> 396
<212> DNA
<213> Glycine max

<400> 17831

agttttgagc caataccaac gaccataact ttttactcgg atgtctgatt gaggctcgta 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatacaaa cgatactgac 120

tttttactcg gatgtctgat tgagtcccgt aacatatcga gacgctcgaa attgaatctt 180

gaacttctga gctaattcaa acgacaataa cgtttttctc ggatgtctga ctgagtcccg 240

taacatattg agacgctcga aattgaatgt tgaacctctg agctaattaa aacgacatta 300

acttttttact cagatgtctg attgagtccc gtaacttatc gagacgctcg aaattgaacg 360

ttgaagctct gagccaatac aaacgaccat aacttt 396

<210> 17832
<211> 417
<212> DNA
<213> Glycine max

<400> 17832

[illegible]

atgaagttct aggaatggat cgagctgaac cataattact tctgtcctgg tgttgagaag 180

agttccttct gtccaaactct tttggaccct tttcaacctt tgtgagcaca gaaatatctg 240

atccactctc agatcctgga tggcccaaaa tgccttttcaa ttccatatag cctgttgaat 300

aattgggatc accacacaca tttggaaagg caggcttcct gagattcacc ctatctctca 360

taaactcaag agcaaatttcc tcaccagtct gtatggagta attaagtaca ggtttat 417

<210> 17833
<211> 282
<212> DNA
<213> Glycine max

<400> 17833

tgttttatac ccattatcac atctacagga ccaaggtcct tcatatcaaa atttctagat 60

aagaaagact tcgcatcatc ttcgaactac atatgatgat ccagtatcgg tatgtcatgc 120

acatactaac atgacacgac gcattcatta tcatcatgtt gtgtcacata cacacattta 180

tcagtgtgat tgatttgaaa accatacgag agaagaactt gatcaaattg ttctgccact 240

gctttgaagc ttgattcaaa ctatgcatag attgaacaaa tt 282

<210> 17834
<211> 403
<212> DNA
<213> Glycine max

<400> 17834

tcaagcttcc taataatgat gaacgactat caacatagct cctatatata tatagtctta 60

tctcatatag ccctaatatc actaataact aatttttaac attctatcat tcaaaagtat 120

ttctacagaa ataatgaatt aactttcaaa tattttacga ccatattgtg aaattgtgtc 180

taaaatcttt atttcatctt ctaaatcaca aaaatgataa taaagttcaa aactaattgt 240

taatcacgat aagaatcacc catgagggaa aaaaaacctc tataaaggtc atttacatta 300

aaataaactc agagataata cagattatta taaaagataa attctatatt ttaaaatcaa 360

[illegible]

<211> [illegible]
<212> DNA
<213> Glycine max

<400> 17835

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gtaggcacca ccattcaata ccattataga gaatcaaata atatatatat catcagaata 120

aaattaaata ttttctattg ataggaattg tatataagca ttaagaaatt tataagactt 180

ccgcaccata cttaactaag ttataagaaa acctattgga tgctttttt ttggtgatag 240

gaaatcggat gttgaagttt aaatgaaaaa aagtaaaact ttctcatatt attggttagg 300

aacattaatg gtgtaaattt taataaatta cgacatacaa caacataaat aataaaaaac 360

acttgtaaaa ttatatcata cgctgagata atcaaattcg ttgagataac taaaaaaaca 420

tagatt 426

<210> 17836
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17836

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cagagacaac atttgttcaa ttgcagaaag tcatgacttc agctccagtg ttagctcttc 120

ctaatttcca gctgcccttc attctggaaa ctaatgcttc cgacactggt attggagtag 180

tattacatca gaatggccat ccaatagcat ttttttccaa gaaacttgca cctagagtgc 240

aaaagatatc tgactaattt agagagatgt tagcaattgt tgaagctata gctaagttca 300

gacactactt gctgggacac aaatttatta tcaaaactga tcaaaattag tcagatgatg 360

atgttgatgg atggaacaac cnctacagac acctgaacaa caacag 406

<210> 17837
<211> 411
<212> DNA
<213> Glycine max

[illegible] 60
[illegible] 120
[illegible] 180
[illegible] 240
[illegible] 300
[illegible] 360
[illegible] 411

<210> 17838
<211> 427
<212> DNA
<213> Glycine max

<400> 17838

tgagctcggc ttgagttgaa tacgtaattc ttgagctcgg cttgagttga atacgtaaag 60

cttgagttga cataggcttt ttttaaggct ctgctcgact tacataaaag tctgacttac 120

gagcctattt aaaagcttgc ttaaagacgt cttttattaa ttaattattt taaaacctag 180

tgaaaatacta actaaaaaaa gaaacttata aaatttcgta taaataatgt acaaatctaa 240

aaatgaattga taaacaaaat tatattgaat tcaagtcgtt aaagcacaaa gtatataaaa 300

aaaataaaaa tagcataata ttaaaaaatg tatggattag agatgattta cactaatata 360

gccaaacaaa aattattatt agttaaatta acaatttttа atccaatttt tttaatatat 420

aattata 427

<210> 17839
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 17839

agtttttgca gcttcataaa gcttttggac taattaaatt aatactttca aaattaaaga 60

taaatatttc atatatcatc atttttatat ttttattatt ttaaaaatga ccataatatt 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 399

<210> 17840
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17840

agttttgagc aacttcaaac aacaacaact ttttactcgg atgtctgatt gagacccgta 60

atatatccag acactcgaaa ttcaataccg aagctctgag caaattcaaa cgacaataag 120

tttttactcg tatgttcgat tgagtcccgt aatatatcga aacgctcgaa attgaagacc 180

gaagctctaa gtaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

taatatctcg agacgcgcgg acttgaatgt cgaagctctg agcaaattca aacgacaata 300

actntttccc tcggatgtcg tattgagtcc cgtaatatat cgagacactc gaaattgaat 360

atcgaagctc tgagcaaatt caaatgac 388

<210> 17841
<211> 408
<212> DNA
<213> Glycine max

<400> 17841

tcaacattca atatcgagcg tttcgatata ttactggact gaatcagaca tcagagtaaa 60

aagttattgt cgtttgaatt atctcagagc ttcggtattc cagtccgagc gtctcgatat 120

attacggcgc tcaatcagac aaccgagtaa aaaagttatt gtcgtttgaa tttgctcaag 180

gcttcggtaa tcaatttcga gcgtctcaat atattacgga actcagtcag acaaccgagt 240

aacaatttat tgtagtttga agttgctcag agcttcggca ttcaagtcct agcgtctcga 300

tatactacgg gactcaatca gacatccgag caaaaagtta ttgtcgtttg aatttgctca 360

gagcttaggc attcaatatc gagcgtttcg atatattacg ggactgaa 408

<210> 17842
<211> DNA
<213> Glycine max

<400> 17842

agtttgtaac tttctcaaaa ctcctcaaca ttgccttaat gaccctcaca ttttgcattg 60

atgcttcacc aaagaaaatg gtatgatctg catatcacag gatactaatt tccactgagc 120

ttcttcccac caagaggcct ttaaactgat ttttttaga gcttctcttca ttagaccccgt 180

tiatccctca gccacaatat tgaacaggag tggggctaac agatgcccctt atctaagtcc 240

cttttgaggg aaaaattcag ctaaaggact cttattgatc aatatggaga caaaagctga 300

tctaagacat cctttgaccc aagtaatcca cttagggtag aatcccatcc tcctaagcat 360

atataccaga taatcctcac taactgaatc atgtgccttc tcatag 406

<210> 17843
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17843

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gttcgaagac aaccttcttt ctccctttgt tggcttgttt agcatagctt ttatttttcc 120

tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagtg 240

ggttaaaacc ataaacaact tcaaaaggag aacaattagg ggtgctatga acagctctat 300

tgtaagcaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttcctcaaaa 360

ctgtcctaag caaagtttcc aaagtcctat taacaacttc tgtttgccca tcggtttgtg 420

ggtgacaagt gg 432

<210> 17844
<211> 404
<212> DNA
<213> Glycine max

<400> [illegible]

[illegible]

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gaaaaaataa tagtaactgt gtgtacattc tctcaagcct tctgaaatgc gcgggaagaa 180

atcctatgca gaagcctgac aaatcccaag aaactaagct ttccatctga gtgccttatc 240

caaacctgaa gtattacatg aatcaggtact gatggactaa gcccaagttc ctgaaacgtg 300

tcaattgtaa agagctcagt accattatac atgtgatgaa ggattatact atatgcatct 360

gatagaaaat ctcattagag gtatatctat catgtngata aaat 404

<210> 17845
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17845

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tcacaaagac ttaatcctca tgacagagaa gcttaagggt aaagttccct tgaggttgtt 120

gaaggccaag tgcaaaacgt gcaagccaga gataatattg aagaaatccg ggagggaggg 180

agcctatgat gttggcagag ttggcggaga agttctgaag tttggaagct tctcagagag 240

tataaggaat ctcccaagcc tgatttttct gccctgaaag atttgcaagt tttgagcttg 300

agtcttaaca aactcactgg tccagttcca gcttctttgt tgggtctttt gtggctcaaa 360

gttgtgaatn tgaccagtaa cttgtttcac gggccaatgt ctgtgtttgc tcattgngtc 420

gaggtggata atgccccc 438

<210> 17846
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17346

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[illegible] aagttaaaac tgatcaccaa agcatggagt caactgacag taatgggaaa 120

[illegible]

[illegible] acactttaa acaagtttct tcttagtagt ctattatcat tgcttgtttg tgcaggatct 300

tcctcgaaca tttcctggtc atcctgcttt ggacgaggat ggtagatatg ctttgagacg 360

nttacttact gcatatgctc gacataaccc ctcagtt 397

<210> 17347
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17347

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ctttggatag ccctctatta gcattggtca gaatatcagc cagttgatct atggcaggaa 120

catgaacaac attgagttgt ttggtgagaa gtttctctca cacaaaaaat aaatccagct 180

ccatatgctt ggtttttgag tgaaaaacag gattatgagc taatgaaaca attctggtgt 240

tgtcacacaa aataatagga gtagtgtaag ctacttggag ttcagaaaga agagactgaa 300

tccaagtaac ttctgctgca atacgagcca tgcttctata ntttgcctca atactcgacc 360

ttgcaacaac tgattgcttc ttagaccacc aagagatgag tttatgtcca agaaaaat 418

<210> 17348
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17348

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gttgacttaa ttaacatcgg ttttttcaaa acccgatgtt aacattgatt tcttaatatt 120

ggttttgaaa aattgatgtt aacatcaagt agttaacatc ggatattgaa acaccgatgt 180

taactttaga aagttaacat cggtttttaa aagaaccgat gttaacattg acatgttaac 240

attggttttg tttaagaaac tgatttttgtc tcattcataa gttaaaaccc caaaatccat 300

tccccccccat gcgatcagtt accaaaatcc tttctccctt tcttcctcat cgctcacgct 360

<211> 17849
<212> 315
<213> DNA
<213> Glycine max

<220> insire at all n locations
<400> 17849

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cnagttacgg tggcatccac acgcggcgca cgttagcgag tgcggttcgt tggggttgga 120

gaaagaggag ggcatgaact cacccgcacc atcaagcgcg tggccaccaa tgctggctgc 180

atggtttttg aggcactctt tgtaggcaac cgccgtagac ggtggctgnt gcggcggtga 240

cacggtggtg gggtggtgat ggtgatggtc cttgagggag ccgttggtgg tgaaaggttg 300

tggtggggta tcgac 315

<210> 17850
<211> 387
<212> DNA
<213> Glycine max

<400> 17850

agcttcttag tctcggttga tgaagatgaa ttcatggcta cttcatgcac tcctctaatg 60

acaatagcat cactcctggc actaaattgc tgggagtttg aagccatctt ctgaattaaa 120

tttctggctt cagcaggggt catgtctcca agggctccac cattggcagc atctatcata 180

cttctctcca tgttactgag tccttcacaa aaatattgga ggagaaactg ctcagaaatt 240

tggtggtgag ggcaaatagc acataatttt ttaaatctct cccagtattc atataggctc 300

tctcctctac gctgcctaat gcctgagata tcttttctga tgaatgtggt cctggaagca 360

ggagacaatt tttctaagaa tactctc 387

<210> 17851
<211> 425
<212> DNA
<213> Glycine max

<220> <223> unsure at all n locations
<400> 17851

[illegible] gtggatgcgt tggtnnactt ggtaacttaa ctttcttga atcagaaatc [illegible]

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cccttccatg ccacaacctg gagcaattga gcagcctgga acttatgctg caaatatgta 180

caatagacct tnttaacctc agcagcaaaa tcaaccacat gagagcaagt atgacctttc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctagc cttagatggt ccagccctca 300

gcaacaacaa caacagcctg ctccttcctt acaaaatgct gctggcccaa gcagaccata 360

cattcctnca ccaatccaac aacagcaaca acctcagaaa cagccaacag ttgatgcccc 420

tccac 425

<210> 17852
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17852

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gttactgctt catgggcatc tggtgcctgt tctgccttgc taacatagct tgtaacatga 120

gaaaattgac ccatctcaat gctgaccaga attgcactca tacacatatg aataatgtgc 180

tttgatgtag tgcaataatc ccgagtacgg acataacttt taaaagcgtc ccccaattga 240

ccatgagcat agtaaaagtc tccaaaatca ttgaatccca tcctaatgct ttccttaatc 300

aagttttgtct gcaaaaaata aatgcgatga acaaattgac aggataagga atcaatgata 360

natttacgaaa aaacaggtct taccaaaata ctcctcat 398

<210> 17853
<211> 433
<212> DNA
<213> Glycine max

<400> 17853

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ctatcaaaga tgtaatgtag caatttatga acttgctagc tgtaaggaag cactaaaaga 120

[illegible]

aaagctcaat ccagattcct cagtcaacaa acacaaagtc aaactttatg ttgaaaaaat a 241

tgtacaaaat tttggtattg attattctga tacttttgca cctgtgtcca gattagatac 301

aattcgattg gtgttaatag tggcttcaca aaagggttgg aaagtcttcc aattagatgt 420

caaattagct ttt 433

<210> 17854
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17854

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tgcattgatg tttgtcaagt atccaacagt ggaaagaatt gatccatgaa gtttattacc 120

actgagttga agtgttctca aattatccaa gtctcctatg gaagatggga ttgacccaga 180

naaatcattt tttagcaatt tgattattgt gagagaatga agtcttccca actcctcagg 240

aatagggcct gagagaatgt ttttaagatg ataagttgtt ccaaatttgt caagtttcta 300

atagttgaag ggattgcacc aaagagattg ttggatgaca catcaagttt aacaagattt 360

gtcaacatac caaatgttgg cgggatgaaa ccattacaaa gattatgatc catttttcaa 419

<210> 17855
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17855

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atattggtaa tcgattacca atgtatctga acgttgaaat tcaaaatcaa ttgtgaagag 120

tcacatcctt tcataaaatg ctttgtgtaa tcgattacat ggttttggta attgattacc 180

agtgacaagt tttgaataaa aatcaagaga tgtaactctt tcaatggttt tcaggttctt 240

ctaaaggtta taactctttct gatggtttta caaggttgaa aagacattte aaggactgca 300

[illegible]

[illegible]

<210> 17856
<211> 416
<212> DNA
<213> Glycine max

<400> 17856

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cctcgagagc ttccgttgtt caatttcgag cgtcttaata tattatgcac ctgaatcgga 120

cttctgtgtg ataagttatg accatttgaa tttctcgaga gcattcgttg ttcaattcca 180

agcttctcga tatattgtgc acctgaatcg gacttccgtt tgaagagtta tgacctttg 240

aatttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gcaccttaat 300

cggactttcg tgtgacaagt tatgaccatt ttaatttctc aagagctttc gttgttcatt 360

ttcgagcttc tcgatatatt atgcacctga atcggacttc cgtttgaaag atttga 416

<210> 17857
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17857

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tatctgcatt tgcttttgaa acttcctccc ttagttcagc aaactgtctg tcaagcccgg 180

gctttaactg cctaaagatt ctagaccgac ctcccttgcc agtgctttag catctatcca 240

gatctagttg gaggtcagga aaagatcctt agcttccaaa acctgtgctt catttctcac 300

ctaacttcta ttcacatagg aatcttacat agatagatcc cttcttcatg tggtttctct 360

tngatcatag aaaccttctg 380

<210> 17858
<211> 432
<212> DNA
<213> Glycine max

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taagttcttc ctcaaaactg tcctaagcaa agttcccaaa gtcctattag caacttttgt 241

ttgcccatcg gtttgtgggt gacaagtggt tgaaaataac aatttactgc ccaacttgct 301

ccacaaagtc ctccaaaaat ggcttaggaa cttagagtcc ctatcactaa caatgctcct 361

tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcagccacat gggaagcatc 421

atcaactttt tt 432

<210> 17859
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17859

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cataactatt cacacggatg ttcgattatg gcgaatcaca tatcgagacg ctaaaaattg 120

aacagcggaa gctctcgaga aattcaaatg gtcataactt ttaacactga gttccgattc 180

aggattataa tatatacaga cgctcgaaat taaacattgg aaggtctcga gaaattcaat 240

tggttatcac ttttcacacg gatgtccgat tcgggcgtat aatatgtcga cacgctcgaa 300

attgaacaac ggaagctctc gagatattca aatggtcata actnttcaca cggatctcca 360

attcaggcgc atcgcatatc gagactctca aaattgaata gcggaagctg ttgagaaatt 420

taaatggtca taac 434

<210> 17860
<211> 408

<212> DNA
<213> Glycine max

<400> 17860

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[illegible] 120

[illegible] 180

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aaacaaaggg agaaagaagg ttgtcttcga acccggagat tgagtttggg tgcacatgag 300

aaaaaaaagg tttccggaac aaaggaaatc aaagcttcaa ccaacgggag atggaccatt 360

tcaaatgctt atagaataat gacaatgtta caaagtgagc tgccggtg 408

<210> 17861
<211> 343
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 17861

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cccaagtcat gataggggta aagacatttg taccgtgttt aggaagtccc acacaaagac 120

atcatctccc aacaacatct ggaagaaacg gtcaatattc tttgatcttc catattggtc 180

tgatctacat gtgcgtcact gtctagatgt tatgcatgtg gagaaaaatg tttgtgataa 240

gtcaattggt actcttctta acattanagg gaggacacat gatggtttga aatattgtca 300

agactttatt gacatgggaa tacgagagaa gtcgcatccc ata 343

<210> 17862
<211> 318
<212> DNA
<213> Glycine max

<400> 17862

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agagagaact gccccaacgc tagtgcaaga cacgtcggtc tccaccacaa aggaatgtcc 120

gaagttggga agcgccaaga cggaaaccgt gaagactgct tcctttaagg tggtgaatgc 180

tctcgtagcc aactccgacc accagaattg acccttgcac agcaactgtg agagaggcgc 240

aacaatctta gcgtaacctt taataaatct tctgtaaaaa cccaccaaac gcagaaaact 300

tcttaatgtc ttcactga 318

<400> 17863

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aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgccttac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tgaagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg acattttggg gtccaaaaga 360

ctctagaaac attacaagaa acattttatt ggtctcatat 400

<210> 17864
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17864

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tgccaatcaa ggttgtctca cagacacctt ttgagttatt caaaggttgg aaatcaatgt 120

tgcgacatat acgcgtctgg ggatgcctgt ctgaagtaag aatttataat ccacaagaga 180

agaaactaga ccctatgact attactacgt atttcattga atatgctgaa aggtctaaag 240

ggtataagtt ctattgtcca tcccactaca ctacgattgt ggaatcaagg aatgcatagt 300

tncttgaaaa taacttgatc agtgggagtg atcaatttcn gaacatttct tctgaaaggg 360

atcactatga 370

<210> 17865
<211> 435

<212> DNA
<213> Glycine max

<400> 17865

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[illegible] 120

[illegible] 180

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cttattttag tgaaaaactt catggtgcca ccctcaaata cccacctat tataaagagc 300

tttatgcctt aataagagcc ctccaaactt gggaacatta ctgtgaataa tgcaggtttt 360

gatgatgcta aaaagaaatc acttgataat gattgtcatc atcaaaaacg cggagaatgt 420

gaatgtatga atata 435

<210> 17866
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17866

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ttaggacctg aagtggtaca acaaaccacc aagaaggtga agttgatcca agaaaggatg 120

aggactgctc agagtagaca aaaaagttat caggataaga ggaggaaaga tctggaattc 180

gaggttggtg atcatgtatt cttgagagtc actctgtgga ctgaggttgg tcgagcattc 240

aaatcccgaa aactcacacc tttctttatc ggtcctttcc aaattcttaa aagagtcggt 300

cctgtggcat accaaattgc attaccccca tcactttcta atcttcacaa tgtctntcat 360

gtatctcaac tccgtaagta tatacatgat ccatctcctg acatatgaaa catttccttt 420

gagga 425

<210> 17867
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17867

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ggccttgatt ttctcaaggt ccacttggac cccatttcta ctaactacaa accctaagaa 120

aactatatta tctacacaaa aagtacactt ttctatattt gtatagaggg tgtttttcct 180

[illegible] 240

[illegible] 300

ctataagcct[illegible] 360

atacaaacca aacttggtct tgaaagcggt tttccactca tcacccnttt catcctgatt 420

gg 422

<210> 17868
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17868

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cttacccttt tggatgtgac atcatggcag ataggtccca actttccatc gtggattcag 120

tcacaaaaca aacttctata tgttggactg tctaacacag ggattttaga ttctattccc 180

acttggttct gggaagcaca ttctcagctt ttgtatttaa acctctctca taatcatatc 240

catggtgagc ttgtgactac aataaaaaat ccaatatcta tccaaactgg tgatctaagc 300

acaaatcact tatgtggtaa attaccctat ctttcaaatg atgtgtatga cttagacctt 360

tcaaccaatt cattctctga atccatgcca gatttttttat gtaacaatc 409

<210> 17869
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17869

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tgaatcaaac atgaattaga aaagaaggtt aacttgcaat ttaatgtaga aaccaatttt 120

gatatagaga ttaaattgaa attgaaagat ggcaagtata gcacatcttc taaatgtaaa 180

aactccgtaa atttgactgt tctagagtgt gtggctatga cttgttgacc agtangtagg 240

cgaactacta tcggatttat ttctctatat gtagtataac aagtcaatga ggaggcaata 300

tgatctataa aactagaatc caaaatctat gttgcagctt caggcttttg aacattacaa 360

[illegible]

<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17870

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gcggaacaat tccacactct ttgagaaaaa atgtaaaagg tcctggacgt tctcttgatc 180

catcatattt gccattgtac tcgccaccac gatcagattt gagagcctta attttctttc 240

caagttgaag ttcaacttta tgcttgaaac tcttaaaaag tctagggatt gggacttcgc 300

atgcatcaca tacaagtaac cgtatctaga gtagtcatct atgaacaaga taaaatattg 360

ttgcctattc caagaaggtg tnggaaaaag atatcacatg cccgtatgta ctaatttct 418

<210> 17871
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17871

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catctcaatc atttgccatg cagcgtacat agtgcaaatc catgaaagga gcaatattgt 120

aacgcccaa ccctgccac aacaaagaaa catgcatgca tgaaggccat aacaatagaa 180

taatgataca gtataaacac tccataataa taatttttatt ttctattcat tgactatta 240

atcagagtgt ttttaggtat atacaagaaa caaactctgg atacatattt attatgaagt 300

gatgatgcat gaaaagagaa gatgagaata ccatcctagc tctgacatgg cgtatgggat 360

acccagcaca ccagctgcaa caacagcagt gacattgtga aaagcatagt accacca 417

<2210> 17872
<2211> 379
<2212> DNA
<2213> Glycine max

[illegible]

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aaaaagctat tatcatttga attgctcaaa agattccatt gttcaatttc gaacatctcg 240

gtatcttatg cggctgaatc ggacatccga gtgaaaagct ttgaccattt gaattgctca 300

aaagttccca ttgtccaatt gtgaacgtct cgatatatta tgcgcctgaa tcggacttcc 360

aagtgaaaag ttatgatca   379

<2210> 17873
<2211> 381
<2212> DNA
<2213> Glycine max

<400> 17873

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atcaatagag aagttgcagg tctttacagc ccagtaggct ttgtgctcta tctctacagg 120

aagatgacat gccttgccaa agacaacccg ataaggagac attcctatgg gtgctttgta 180

ggcagtccta tgcgcccaaa gagcatcatc tagcctggtg ctccaatcct ttctgttcgg 240

ctgcacaatc ttctcctaga tcctttttat ctccctgctt gaaatctcag tctgcccatt 300

ggtttggggg tggtatggtg tgtgtcgcaa cctacccttt ggcgggcgag cgaggtgagg 360

gctcacgggt gcgtcttcca t   381

<2210> 17874
<2211> 379
<2212> DNA
<2213> Glycine max

<400> 17874

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ggacactttc tggatccata ttatcaaatc gaaccttctt gagtgcaaca attgtatttg 120

tttcgagatc acgagctcta taaacactgc tgtaagatcc ttggccaatc tgcatcatga 180

taggaaaagtt aagtcattaa gaaaaagcta ttgggaaggt ttgaaaaatg taatgttggt 240

[illegible] 300

[illegible] 360

<210> 17875
<211> 381
<212> DNA
<213> Glycine max

<400> 17875

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attgtctctc tttgctgaat ttcttatttt tgtgaagttg atggacatgt gaaatgtgaa 120

aagtggattc gtgatgacaa taatcgttct gaagagtgga aggcgacatg gtggttaaac 180

agattgatag ggcgaaaaaa gaaggtgacg gtagactggc catatccttt tgctgagggc 240

aagttatttg ttctcaccat aagtgctggc ttggaaggtt accatgttag tgtggatggg 300

aggcatgtga catcctttcc ctatcgcacg gtgcataccc aaatcatatc tccttctgta 360

tgcatgcagg aatattgtat t 381

<210> 17876
<211> 380
<212> DNA
<213> Glycine max

<400> 17876

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cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaatgagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

cggagagagg atgacagatg aaaagctggt gagaaaagat ctcagatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360

tgaactcatt aggttctcttc 380

<210> 17877
<211> 382
<212> DNA
<213> [illegible]

<220> [illegible] at all n locations
<400> 17877

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aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt atacccgctc 180

aactacctca agaagaagat gaggaagaag acccaggtga accactttca cctccatcac 240

aacaacaaga tcaagaacta tcatcaccag agtttactcc aagacgaata agatctttgg 300

tggacatata tgaaacctgt aacttggcca tacttgaacc tggaagctnt gaagaagcat 360

canagcagga agtatgggtc aa 382

<210> 17878
<211> 369
<212> DNA
<213> Glycine max

<400> 17878

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catcccttct gtgctgctag agctaaaacc atccggattg tgtcccacct tgctaccggg 180

gcaaacactt cgttgtagtc aatcccttgt tgctgagcat agcctttagc tactagtcgg 240

gctttgagct tatcaacttc accattctca tttaacttgg ttctaaaaac ccatttcact 300

ccaaactttt tagcaccttt gggcaaagtt gtaagctgcc aggtttaatt cctttgatt 360

gcttcaatc 369

<210> 17879
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17879

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[illegible]

[illegible]

ncatcctcac aaaatctttc aaactcgcga gaggtgtact ctntgccacg atcgcttctt 360

agtactttta tccgttttcc ac 382

<210> 17880
<211> 384
<212> DNA
<213> Glycine max

<400> 17880

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agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120

gcaacataaa aaatctctac acggtaatga tgaagattag tgatagtcct cccttctgct 180

cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240

acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300

aaccgagctt tgacaacatc aactaattcc atggcattca caatattaag atcttttctt 360

tgcaatatat ttgaaagctc gttt 384

<210> 17881
<211> 377
<212> DNA
<213> Glycine max

<400> 17881

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aaaactcctc acctcggtca cggacttagg tgtaggccat tcttgaatag ccctaacctt 180

ctcctcatca acttgcactc cttttgaact cacaacaaaa ccaagaaaca caacatggtt 240

agtacaaaag atgcattttt caagattggc atacaattgt tcttctctaa gcacagtcaa 300

ggcagatttt aaatgatcaa tatgcaaatc aagtgaagtg ctatagataa gaatatcatc 360

aaagtacacc acaacga 377

<210> 17882
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17882

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ttacatgcat cttgtccata ttttgccttg taccccttaa tacatgataa actgttctac 180

cagaaataac caagttaact gattgtcacc atatatagat cgctggtgag attgaaaaaa 240

tcatggaatt tatgctatag ataatatgca gtcaggaaaa atggaattaa gattagctat 300

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tcaccaattc acactcacc 379

<210> 17883
<211> 351
<212> DNA
<213> Glycine max

<400> 17883

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ggaatggata aggaagagag agacgagatg ccacttcaag gagaagatga gtgtacatga 180

agctcaccac cgtatgatgc cctggattag agcttggatg aggaacgaga tgaatgattg 240

gagaggatga taagagcaca aacctgcgtg ctctaatagt actctgacaa ctgatggtta 300

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<210> 17884
<211> 372
<212> DNA

<213> Glycine max

<400> 17884

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[illegible]

[illegible] 240

[illegible] 300

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anatggagga ctaaatgaca ccac 384

<210> 17886
<211> 370
<212> DNA
<213> Glycine max

<400> 17886

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tccagattca cctgggtcaa ctttatcaga gaaaaatcag acacctttga agtattcaag 180

gagttgagtc taagacttca aagagaaaaa gactgtgtga tcaagagaat caggagtgac 240

catggcagag agtttgaaaa cagcaagttt actgaatact gcacatctga aggcatcact 300

catgagttct ctgcatccat tacaccacag caaaatggca tagttgaaag gaaaaacagg 360

<210>
<211>
<212> DNA
<213> Glycine max

<400> 17387

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tactcctttt aagagctgga cttatggagg aggaaagaac aagcatagct aggttcctta 120

gtgggcttaa tatggaagtg agggacaagg ttgaactcct tccatatagg gacctagatg 180

aggtagtcca actttgtata agagtggagc aacaacttaa aagaaagcct tcttcaaaat 240

cttatggctc tcactcttat ccaaggaagg accaagccta tggaatttta ggggctgcac 300

cttcaaaacc caaggaagat aagggtaaga ccatagagaa atacacccct aagactagtt 360

cccaagaaag gacta 375

<210> 17388
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17388

agctttcttn ccagcttcaa actttaatct tcatggaact catgttggtt ccccctatct 60

ttaccaaaat tgcacttact cctaaaaagg aacattgttt tataacaaat taaggaattt 120

tcactaaatg attttattaa caaataaatg tttaaagatg agacatagaa tccattctcg 180

attgtaagtt cttttttaatc taacaaataa gttcataatt ttcaacttat cagagaattg 240

tctaatactt aatatatata ataatagtaa tttcgataaa gatattcata gataattata 300

atagtatcgt ataacagttt gtaatatact ttgtaagtag atttntatgat agtgttttcg 360

attaantaagt aaatttcaac aatt 384

<210> 17889
<211> 365
<212> DNA
<213> Glycine max

[illegible]

gacaaaaccg aattgatggt attaaactca acattcctcc atttaaagga aagaatgatc 180

ctgaggccta cttggagtgg gagatgaaaa tagaccatgt tttctcatgc aacaactatg 240

aagaggacca gaaggtgaag cttgccgcca cggagttttc cgactatgct cttgtgtggt 300

ggaacaagct acaaaaggag agagcaagaa atgaagagcc aatggttgat acatggacgg 360

agatg 365

<210> 17890
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17890

agtcnttatt caactcaaac atggcaagaa gacagtatat actaggcact gaagatttct 60

taaaccttat caccgtacc gactattgaa gaaagctttt aatgaaagct aggagaataa 120

aagtgctcct tgaccattag ctagaaatga agtttatgat caggtgaagg acatcataac 180

tatctttggg aagacccaaa gccatcatct aagactaacc tatggaagaa aaggtcaata 240

ttttttatct tccatactgg ttcgatctac atgtatgtca ttgtctagac gtaatgcatg 300

tggagaaaan tttttgtgat agtttaattg gaacccttct taacattaaa ggcaagacaa 360

aggatggttt gaaatgtcat caagacctgg ttgacatgga aatacgagag caattgcatt 420

tgatat 426

<210> 17891
<211> 323
<212> DNA
<213> Glycine max

<400> 17891

tacattacat atattacagc atttcagtgc actgtgaagt gtaaaacaca atttagattg 60

gatagaacag ataaagggag aatgttcaat taccatagca tggcaatagc tgaccccaga 120

tatgagtcgc tgaaagaaga atccagcctg aatcataaca acgggttaca aactatcaca 180

[illegible] 240

[illegible] 300

[illegible] 348

<210> 17892
<211> 414
<212> DNA
<213> Glycine max

<400> 17892

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acatcgcgtg ttactaaata cctcatgtaa ggttctgcat gagcctccaa ataaggaagt 120

ccttcgatct taagtatttg atcatagaca cccttgttga agctgtcagc cacggatttt 180

gagaccaata agactaacat cacaagtgga agtaacaaga gatcattaga gagctcaagc 240

aatatgacac aaagagacac tgtcattctc atggtgccac caaggaagga agcagctcca 300

agtaaggcaa agagtcctct gtcgagatcg gtaatcgttt cgaagagccg gtcgaataga 360

ctgccatagg cagcaccagc acgtatgacc ggaatgaaca gcccggatgg aata 414

<210> 17893
<211> 445
<212> DNA
<213> Glycine max

<400> 17893

actattcaca caatttaaca agaaacaatg aattatcaac tttgaaaatt aattgcattc 60

ccatacctag atctccttct aaattccacc gaatttatat atgtttaaat gcatggaagc 120

aaggattcaa gactagctgt ggatctttta ttggtcttga tggttgtttt ttgaaaggct 180

actatggtga tcatttgctt gcagcagcgg gacaagatgc aaacaatgca ttttttgtga 240

ttgcttatgc ggtagtaaat gttgaagata aagataactg caagtggttc ctcacattgt 300

tacatgaaga ccttggagac tgcaagcaat atggctgaaa ttttatgtta gacatccaaa 360

aagtgcaatt caattgtttt gctttgatca attcatatat agaatgttgt aattctgatt 420

gcctgcatgc atatgtgata gtttg 445

<210> 17394
<211> 1
<212> DNA
<213> Glycine max
<400> 17394

agtttcttga gagagtcaaa gatcaaattg agaggaaaaa taaaagctat gctaaacaag 60

ccaacaaagg gagaaagaag gttgtcttcg aacccggaga ttgggtttgg gtgcacatga 120

gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180

ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240

atgttagttc cacattcaat gtctctgatt tatctctttt tgatgcagat ggagaatccg 300

atttgaggac aaatccttct caagagggag agaatgatga gggcatgacc aagagcaagg 360

gcaaggatcc acttgaagga cttggaggac ctattgatga ggacatg 407

<210> 17395
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17395

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ncaattgcga gcttctcgat atgtgatttg cctgaatcgg acatccgtgt gaaaagttat 120

accagttgaa tttctcaaga gcttccgttg ttcagttttg agcgtctcga tatgtgattt 180

gcctgaatcg gacatccgtg tgaaaagtta tgaccatttg aatttctcaa gaccttccga 240

tgatcaattt cgagcctctc gacatattat gcgaccgaat cggacatccg tgtgaaaagt 300

tatggccatt tgaatttctc gagagtttac gatggttaag ttcgagcgta tcgatatagt 360

atacagctga atcggacatc cgtgtataag atttgaccat taggattcct cgagaacttc 420

cattgttcaa tatcgagctt ctcgacatat taag 454

<210> 17396

<211>	442
<212>	DNA
<213>	Glycine max

<400>	17896

[illegible]

[illegible]

[illegible]

agtggaacta ttcctcagca aattgctaac ttgtacagag acactcaatt gataatgagt	240

ggtaataatt ctagaggtcc aatccaccat tacatgagga agttggctag ctcgtcaatt	300

ctaaacttcg aatacactac actctctggc tctattcctg aagagattgc atactaccag	360

aacttgaaga gtctattact tcaatggaat caactttcag gtaccatacc tccaacaact	420

ggaacgttgt ccaaccctgt ta	442

<210>	17897
<211>	371
<212>	DNA
<213>	Glycine max

<400>	17897

actactatag aaagacactt caatctgtat taggcttcta ctggtgaaaa ccgagttgaa	60

gcccgatgta gaatgtatgt tgttacatcg atttaaaaaa ccgatgttaa cataaaaatg	120

ttaacatcgg ctttataaat aactgatgtt ataaagaaag aagtacaaca aaatatgtgt	180

atgcgtgagg gacgttgaca tcggttttct gctaaaacca atgctaatat gttaatatgt	240

tatattaaca tcacttttta taggaaaccg atgtgaacgt tcatcattca tgcacctatt	300

ttgctgtaat aatgtatgta taacatcgat tatctataaa taaccgatgt taacctatgt	360

acattaacat c	371

<210>	17898
<211>	407
<212>	DNA
<213>	Glycine max

<400>	17898

ttgtttatcc aatcagatgg gacaattggc tacccaattg aatcaacaac aatcccagaa	60

ttctgacaag ctaccttctc aagctgtcca aaatcccaaa aatgtcagtg ccatttcatt 120

gaggtcggga aagcaatgta aaggacctca acccgtagca ccttcctcat ctgcaaatga 180

acctgccaaa ctttcacttc ta ttccagaaaa aggtgatgac aaaaatttac ctaacaattt 240

[illegible]

[illegible]

<210> 17899
<211> 460
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 17899

tgannattga gtgaggaaaa natgtcttct actaagctta ttcattactt ggtaagatta 60

caaaatatat agagaaaaga tggaagagag agacagccta ctctcaggcc tatctctgct 120

aacttctcag ataagcaaaa tattacatca gtcatacatc aagtaaagca agatattcaa 180

cactcccctc caagctggag catataaatc atatgcacca agcttggaac atatagattg 240

aatcctaggt cctctcaagg acttagtcaa aatatctgtt ggctgatcat tggaactaat 300

gaactcagtg acaatctcct tggacaatag tttctcccga atgaaatgac aatcaatctc 360

tatgtgctta gttctctcat gaaaaacagg attcgaagca atgtggagag cagcctgatt 420

atcacaatat aacctcatnt gcccaacttc acanaatctc 460

<210> 17900
<211> 474
<212> DNA
<213> Glycine max

<400> 17900

ctcagaacac tcaagcttgg aacctatgtt ggtgatatgc taagatggac gtgttgactt 60

gtttactcct ctaataaaga gtacaacaaa ttttgtgttt gatgatttag gttttctctt 120

tttctttctt gttcatatgc aacgttcatt ttttttcttt atttgcttct attctatctc 180

ctatctctat atatttggca tgggtgtctt cgactatctc acgttccaat tgagatgaga 240

gataagaatt tatctaatat ttgtgtcttt tttatacctg tatataatga tcacatttct 300

atactataat taaataataa gataaattgt ataaacttta gcacaataga aatgcagacg 360

tgagaactat tactaaaaat acatatagaa tttattaatt ttgggtaata gttaacaaaa 420

atcaaaaaag tgtagttgag atggtgacat tttaaaaagt taatagcaaa agag 474

<210> 17901
<211> 411
<212> DNA
<213> Glycine max

<400> 17901

ttttttgctt tgaaaacttc cctttcaccct aggccttaga aactacaatg gttgagtgag 60

aatggggagc tagttgtaga tatacaagtt ttgctatgct ttttcattgg aaaatatgtt 120

gatgagatac tgtttgatgt agtccctatg gagcctagca atctcttacg tggaaggcct 180

tggcagtatg ataaggatgt tgttcataat ggtgtcacaa acaaatttgc atttgtacat 240

aaaaggaaaa aggttaccct cacacctatg tctccaagtg aggtttgaaa ggatcaaata 300

atatatgaga gtgataagag aacaagagac taaagtgaaa ctttgtaaca taagacacca 360

aactgaaaca tagataaagt atcttattac acaatttgac tattattact a 411

<210> 17902
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17902

tatagttatt ggagggagaa taaaacaatc caaaatttat tgtacctttc aagtaacgaa 60

gaatttcttt tgcggctttt agattaggag aggtaggagc ctccataaag cgacacacaa 120

ctcccacccgc atatagaata tcgggccttg tattggttag ataccttana ctccccacaa 180

gactcttgaa gatcgaggag tctaccttct ctccttcatc aaactttgat aacttcaagc 240

cacattccat aggtgtgttc acaggattgc aatcaagcat attaaatttc ttcaacactt 300

cttttgtgta ccttttcttgt gagacaaaga tacaccattc tttgtttgct tcacttccat 360

tcccaagtaa tatgacatga gtcccatatc tgtcatatca aattcacgag acatggactc 420

cttgaagtct tcaaacaaat tt 442

<210> 17903
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 17903

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

gtagatcaac aacaaaatct gcatgtaccc gatcaaagtg ctttcaggct tcaccatcag 120

atggatggcg taacatgcct gaagatcttc tattctcata gtgccatgac atttgtcttg 180

ctagtttgtat tgatgcaaat agtctttaca accttggaat tataggcaaa taaaacatct 240

cctttattag aactggtttt ttgttgcttg ttccaacagt cttcgcacaa tacctgngct 300

tgttacanaa attgcattca attaaagctc catcattgtt ataatacaac atgaagcctt 360

ccacaaaaca gtcaatcctc ttagcctcca atcccaactt cgatact 407

<210> 17904
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17904

ctcaagctgc ctccctttta gggcattttc tgccacaatc tagttgctta caatcgttac 60

ctttgcatta gtaaaaccaa tcgcatgcta atatgtaaaa tgtaaaatat aataaaagta 120

aagaattaaa tatgtactaa tggttagtca atttctcatc tcatttgtgt tgacttgtgg 180

catttaacga atattctctt ctcttattga cggacataca ctcactacat gaattctaat 240

tctacttgct tatgaaggta actctgacta taataatggt ttaagtaaat aatatataac 300

ggaaaaatta taaatgtcgt ctttattaaa gggtgacagt gaccaacgta cttaattatc 360

aaaatgaaat ataaataaga taataatgtt agatcactan ggctaaacct ttgtcaagat 420

gtgaatcaat acttgccatt gatcct 446

<210> 17905
<211> 411
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 17905

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[illegible]

[illegible]

aaagctctga gctaattcaa acgacaataa cttttactc ggatgtctga ttgactttcc [illegible]

tcaacatatcg agacactcga aattgaatgt tgaagctctg agccaattca aacgacaata 300

actttntact cggacgtctg attcagtcct gtcatatatc gagacgctcg aaattgaatg 360

ttgatgctct gagtaaaattc aaacgacaat aactttntac tcggatgtct g 411

<210> 17906
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17906

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tcagacatcc gagtaaaaat ttattgtcgt ttggattggc tcagagattc aacattcaat 120

nttcgagcgtc tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg 180

cttgaattgg ctcagagctt caacattcaa tttcgagcgt ctcgatatat gaccggactc 240

aatcagacat ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca 300

atttgagcg tctcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt 360

cgtttggatt ggctcagaga ttcaacattc aatttcgagc gtctcgatat attacgggac 420

tcactcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag cttcaac 477

<210> 17907
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17907

tgactattac tttatacatt caaccaatga gagaaatatg tctatattca tttaaagact 60

gtggatgggt tgttttagga ataagagcca agaacgaggc attgctgcct atagggaagc 120

taccatgaat atggaattca tccacaaatc tcctgaattc aggtttcaaa accctccaaa 180

attcctttaat aaaattgaaa ttaaagccat ttggcccccg acatttgtct ccaccacaac 240

[illegible] 300

[illegible] 360

aatctatgga aaaagtatat gacaacttca tcttgactta aattaatctg ttaaatttat 420

acaccatcaa tgaagattcc ctgacaagca ttgaagtttc tt 462

<210> 17908
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17908

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tgggcagtcc atgggctatt ttgatattcc agttgatcat gtgtatggcc aggtaacgga 120

ttattatgtc actagcatat agtaatagca tggaagaata aaaagcattt aatctattaa 180

actcaaacaa acatggcttg gatgtgttgt atattagtaa tttgtaattg atagtccatc 240

caataatttg ttaatttatt gtatttatgc atctcaagtc tgaattgaaa tgaagggaca 300

accttctgga aacatgctta ttttactgtt tatagttata tgatcattta aatttacgat 360

ttctgtagta aagaaacttc aaatctagtt ttctttagac gtgctaaaat cttctattgt 420

tctatttatc ccagatcagt cacacatgga ctctaatg 458

<210> 17909
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17909

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accaatggct ttcttgagga aagagaaata aaatgtcaaa tgaattttac tgtgaaatgg 120

aagatccaac ttataagcaa caacaccaac cttgtttaac acctggaaag gaccataaaa 180

ccaaggggag agtttttcat taatcctttt agccaaggat cttctcctat aaggttgcat 240

cttcaagaac acccaatcac cgactgcata ttctatgtct cggtggcatt tgttggcatt 300

tgctcacatg atatcttgag acttcaacaa attttctctt agagtagcca ataattcatt 360

<210> 454
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17910

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gtactgagct aagatcattt gtttctttga cttccaagaa acagccccac cagctatgct 120

aaatatatag ccgctggttg ctttggaatc atctgagaga gtgttccaat ctgcatcgtt 180

gtatccttca agtacagcgg gaaacctttt ataatgtaat ccaagattta tggttctttt 240

aaggtacctc attacccttt caatagcgtg ccagtgctcc atactaggtc tactggtaaa 300

cctgcataat aatcccacaa cataggctat gtcgggtcta gtacaatcag tggcatacct 360

aaggctgcca atgatacttg cgtactcagt ttgtcgtata ccttcaccag tgttcttaaa 420

cagttntaca ctnggatcat atggtgtact 450

<210> 17911
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17911

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atacacacag atctaatggg gtcgacaaaa acacctagat atagtggatg tatagatact 120

atggcagtat atgatgatta cactcgatat acttggttgt atttcctaaa agagaatagt 180

gaagttacgc ataagtcagn tatttttctct gacatggtgg agaaagaccg tgatggaaca 240

atcaaatgct tgacgagcta ctatggatga gagttcaagt caacagattt cacagttttt 300

tgtcctgaga aaatggatcc atatgcaatt tacttgtcca gatacactgc aacaaaatgc 360

agtggctgag aggaaattat ctcatctaac tgtagtgagc ttgtcatgga tacatgacaa 420

aaatctgcct cgagagatat angcagaagc aattc 455

<210> [illegible]

<211> [illegible]

<212> [illegible]

<213> 17912

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ttctgttgtt gatagagttc acctataaca atagttttca ttctatcatt ggcatggctc 180

catatgaagc tttgtatggt agaaggtgta ggacaccact gtgttggcta gaacctggag 240

agaacttcac cttaggacct gaagtggtac aacaaaccac tgagaaggtc aagttgatcc 300

aagagaggat gaagattgct ctgagtaggc aaaagagtta tcaagataag aggaggaaag 360

acatggaatt cgaggctggt gatcatgtat tcttgagagt cacctcttgg act 413

<210> 17913
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17913

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aatcnctttga attatgaaga tgttgtccat catctttttg ttcttaatga aagcagtttg 120

agtttcccca ataatagtct caagcactgg ggctatgcgg ttggccagaa ttttagacac 180

aatcttgtat aacaaattac agcacgatat gggtctaata tgattaacct gtgaggcctg 240

atcatgctta ggaataagcg caataatagc atggttgagc tgctttagaa tttctccagt 300

tgtaaagaat tcattatccg cttcaaagat atcatgacca gtgatattcc aagccttctt 360

gaagattaaa acattgaaac catctggccc aggagctcta ttgttattca tcacagacat 420

aacgttccaa accttct 437

<210> 17914

<211> 412
<212> DNA
<213> Glycine max

<400> 17914

[illegible]

[illegible]

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ttacaaacaa acttgagtca gagtgtggta atgtgataac aacctactc tagtttcata 300

atcaacctac gaaaatatga ggttactgca cacatgaaca acactacact agtgtgataa 360

caacctgct tacactatgc aaacaaccct gcttccagtg tatgtttgtg at 412

<210> 17915
<211> 454
<212> DNA
<213> Glycine max

<400> 17915

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tatcgagacg ctcgaaattg agcaacgaaa gctctcgaga aattcaaatg gtcataactt 120

ttcactcgga ggtccgattc acgcgcataa tatatcgaca cacccgaaat tgaacaatag 180

aagctctcga gaaattcaaa ttgtcataac gtttaacacg gaggaccaat tcacgcgcat 240

aatatatcta gacgctcaaa attgaacaac ggaagctctc gagaaattca aatggacata 300

acttttcact cggaggtccg attcaggccc ataatatatc gagacactcg aaattgaact 360

acggaagctc tcgagaaatt cacatggtca taacgtttca ttcggagatc cgattcaggc 420

gcataatata tcgagacgct cgaaattgag caac 454

<210> 17916
<211> 391
<212> DNA
<213> Glycine max

<400> 17916

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ttcccattaa ggctagagga aatgaaaata taacctggta ttcaaatgtt ggatttttca 120

gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagactttag 180

agtatgagga tctcccacat cttgctactg atgacagtgt ggatgggatt ttgccaactt 240

[illegible] 300

[illegible] 407

<210> 17917
<211> 407
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 17917

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gcaacagtggc caaagatgca tgggagatcc tgaaaatcac tcatgaagga acctccaaag 120

tgaagatgtc cagattgcaa ctcttggcta caaaattcga aaatctgaag atgaacgacg 180

aagagtgtat tcatgactta cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240

tgggagagag gataacagat gaacagctgg tgagaaagat cctcagatcc ttgcctaaga 300

gatgtgacat gaaagtcact gcaatagagg atgcccaaga catttgcaac atgagagtag 360

atgaactcat tggttctctt caaaccttng agctatgact ctcggat 407

<210> 17918
<211> 370
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 17918

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atcctaaaat tcgagctcct agggagcaaa ataatgtgag tctttctagag agggcatcaa 180

ctaccacatt tgttattccc tttttgtatt cgataacata tggaaattgc tctaggtact 240

ctacccattt tgcatgcctc ttgtttaact cgctttgccc tctaatgtac ttaagtgatt 300

gatgatcact atgaatgaca tatcccttgg aaacaaagta atgttcccaa gcttggaagg 360

ctattattaa 379

<210> 17919
<211> 41
<212> DNA
<213> Glycine max

<400> 17919

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gcataatata tctagacgct caaaatttta caatggaagc tctttggcta tacaaatggt 180

cataactttt cattcgaagg tccgattaag gcgcataata tatcgagacg ctcaaaattg 240

aacaatggaa gctcttgagc aattcaaatg gtcataactt gtcactcgga ggtccgattc 300

agctgcataa tatatcgtga cgctcgaaat tgaacaatgg aagctcttga gcaaattcaaa 361

tggtcataac ttgtcactcg aaggtcggat tcaggcgcat aatatatcga gacactt 417

<210> 17920
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17920

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agcgtctaga tatataatgc gcctcaatcg gacctccgag ttaaaagtta tgaccatttg 180

aaatgctcaa gagcttccat tgttcaattt cgagcgtcac gatatattat gcacctgaat 240

cggacctgcg agtgacaact tatgaccatt tgaattgctc aagagcttcc attgttcaat 300

tttgagcgtc acgatatatt atgcacctga atcggacctg cgagtgacaa cttatgacca 360

tttgaattgc tcaagagctt ccattgttca atttcgagcg tctcgatata taatgcgcct 420

caatcngacc tccgagttaa aagttatgac ca 452

<210> 17921
<211> 458

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17921

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[illegible]

[illegible]

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atcttagaca agttctttca gtccttagga aaaacaccct ctatgcaaat atagagaagt 360

gtactttctg tgtagaatat atagttttct tatggtttgt agttggtaga aatggagtcc 420

aagtggatcc tgagaaaatc aaggccatcc aagaatgg 458

<210> 17922
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17922

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tctagagaga attgcaaaag atactcatgg atatgttggt gctgaccttg ctgccctttg 180

cactgaagtt gctcttcaat gcatcatgga gaaaatggat gtcatcgatt tggaagatga 240

gagcattgat gctgaagtac taaattctat ggcaatgaca aatgagcatt tacatactgc 300

tctgggaaca agcaatccat ctgctttacg agatactgtt agtagtgttt ttaattcttt 360

taaatttaaa ttattatcta gctggtgagg ctttct 396

<210> 17923
<211> 455
<212> DNA
<213> Glycine max

<400> 17923

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gagtgaccaa gctgaggccc tgtggtcgac acacacggca atgatcacgc attgaaagct 120

tgccatgaaa cacattaagc cagtgctcgt gtaaggagct ggaaatgtct tgcttatgtc 180

tttttgaaaa atgtaatgat ataataattc tcttaaagag gaaaattaaa ctagttaaga 240

[illegible] 300

[illegible] 360

atgacaaaag caaggctcca cttacacaca atatt 395

<210> 17924
<211> 364
<212> DNA
<213> Glycine max

<400> 17924

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aatatatcga gacgctagaa atggaatgtt gaacctatga gcctattcaa acgacaataa 120

ctttttactc ggatgtctga ttgagtccca taatatatcg agacgctcga aattgaatgt 180

tgaacctctg agccaattca aacgacaata acttttttact cggatgtccg attgagtgac 240

ttaatatgtc gggacgctcg aaattgaatg ttgaacctct gagcaaattc acacgacaat 300

aacttttttac tcggatgtct gattgagttc cgacatatat cgagacgctc gaaattgaat 360

gttg 364

<210> 17925
<211> 411
<212> DNA
<213> Glycine max

<400> 17925

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ttatagtcgt atgaattggc tgaaagctta aacattcaac tttgagcgtc tcgatatatt 120

acgggactca atcagacatc cgagtaaaaa gttattggcg tgtgaagcgg cttagagcct 180

tagcatacaa ttatgagcgt ctcgatctag tacgggactg aatcagacat ccgagtaaaa 240

agttattgcc gtttgaatta gctcacaggt gcaacattca atttcgagcg tctcgatata 300

ttacgggact caatcagaca tccgagtaaa aagttattga ctgttgaatt ggctcagagg 360

tgcaacattc aatttggagc gtctcaatgt attacgggac tcaatcagac a 411

<210> [illegible]
<211> [illegible]
<212> [illegible]
<213> Glycine max
<400> 17926

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cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttcct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240

acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgcagtttc agtaagagac cagagcctct attcagagct taaccaatca 360

gatgggacaa ttagctactc aattgaatca acaacagtcc cagaattctg a 411

<210> 17927
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17927

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aggtcgggaa agcaatgtaa aggacctcaa ccngtagcac cttcctcatc tgcaaatgaa 180

cctgccaaac ttcactctat tccagaaaaa ggtgatgaca aaaatttacc taacaatttc 240

tgtgcaggtg aatcttcttc cacaggtgat tctgatttgc agaagcagca cattcccccg 300

cttccattcc ctccaagagc agtttccaac aaaaaaatgg aagaggcaga gaaagagatc 360

ttggaaacgt ttagaanagt agaggtaaac ata 393

<210> 17928
<211> 451
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 17928

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[illegible]

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

[illegible] 451

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<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17929

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gtgactagag acacgaattt gataagagtt ttgaagaaca aaaaggtctt atcctcttaa 180

caagcaaaat tgttttatcc tcttacaaat tccttggcca aaacacttgt gattcaataa 240

ggaattattt aagtgctcaa attgttcaat ctatctcttt caagagagat ttcttcttct 300

cttcttcttt attctgaana gggattaaga gactgagggt ctcttgttgt gaaaggattc 360

naaacacaaa gganagaatg tccttgtgtg tttagaactt gtaa 404

<210> 17930
<211> 436
<212> DNA
<213> Glycine max

<400> 17930

tgatttagta taataagaag cacggatata aatatcttga tgcctactat tgatatatag 60

cattgaccat acatgaaact agctaaagag aatggaaact attgataata gtacactcca 120

tagatagtca tgctgtgtaa accactacta caagaaagca ctttaaatta tagtattagc 180

tagtaatttc tatgattgtg ttgatcatgg tcgccctcac ataactgtca ggtgccctca 240

[illegible] 300

[illegible] 360

aggttgaatt atcagt 406

<210> 17931
<211> 407
<212> DNA
<213> Glycine max

<400> 17931

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acgaccgctc cagtgctagt tttgcctaac ccgagagaac cttttgaggt gtattgtgat 120

gcatcaaaga tgggtttagg tggagtgttg atgcaaaatg gccaagtggt ggcctatgct 180

tctagacaac ttatgactca tgagaggaat tatcccaccc atgatctata gttggctgtt 240

gtagtttttg cccttaagat ttggagacat tatctgtttg gctctaagtt cgacgtgtct 300

agtgatcata agagccttaa atacttgttt agtcagaaag agctaaacat gagacaaatg 360

agatggttag agtatcttaa ggattatgat tctgagctta gctacca 407

<210> 17932
<211> 378
<212> DNA
<213> Glycine max

<400> 17932

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atatcttaag aagggggctt gaattaagat attgcaaact atttcccaaa ttaaaattct 120

atttcacttt ctatgcaaga tacaaatttc cttataaatg aactcttaaa taatgattca 180

aatagaacaa tctaactata aatataaaac aataatatat aaaagagttt aacggaagag 240

aaaatgcaaa ctcggattta tactggttcg gccacaccct tgtgcctacg ttcagtcccc 300

aagcaacttg cttgagagtt ccactatctt gtaaaatcct tttacaagtt ctgaacacac 360

aaggacaatc cttcctttt 379

<210> 17933
<211> 178
<212> DNA
<213> Glycine max

<400> 17933

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cttgtactca actgttgaca gatcaaagag gacaagtatt ttattcacaa ccacttagca 120

tttgtggtta agtatcatac tgatccagag ttagatttgt caaggattgt aggatttgag 180

gttacaccat tcaggttgta ttataatttt tttccacctа gttttctaata tagtcttgta 240

cttatctatt aatcttatgg ctaataataa ctgtacattg aaatgattct tatgaattca 300

gcgtaaagca tgaatatgaa agttaatgga atgagaattc ccgcttaact acctgtga 358

<210> 17934
<211> 361
<212> DNA
<213> Glycine max

<400> 17934

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cagaattctt cggctttgta catccaaagt atactttgac gtatggaggt ggccaccgag 120

tgaactatcc acgagacaac catattgtta catcgacgcc acgctccatg cattctatct 180

gttttgacag gttcaggcgc gctgtcattt atgaactcta ctttgttctt ggctctcaat 240

gcaaatgatca tggacctgct ccatgagtgg tagttactcg aatgtaagac tgtggaaaca 300

cggactgtgg ccggtttctc gctcgtatgg atgcagagat aactctccat gttgttgatg 360

g 361

<210> 17935
<211> 358
<212> DNA
<213> Glycine max

<400> 17935

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atgtcacttt attggtggta actttagttac gtggatatgc aataaactag actcaactac 120

attgttccact gttgaagttg gatatatgac aacaacaagt tgatgtactc aagttctatg 180

[illegible] 240

[illegible] 300

<210> 17936
<211> 379
<212> DNA
<213> Glycine max

<400> 17936

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actatagcat cattttatggc ggtaaactgc tgggagttag aagccatctt ctcaattaaa 120

ttcctggctt cagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcgtaa aaatattgga gaagaagctg ctctgaaatc 240

tgatggtgag ggcaactggc acatagtttt ttaaatcgct cccagtactc ctacaggctc 300

tctccactga gttgtctaat acccgagata tctttcctga tggctatggt cctagaagca 360

gggaaaattt tttctaaga 379

<210> 17937
<211> 426
<212> DNA
<213> Glycine max

<400> 17937

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aatctacctа cgatagagca acaaagtaat catcagcagg gatgtcaaat ttctggagtc 120

agatagttgg gactggaaaa atgataagag gtccgagttt caggaggaga atgaagatgt 180

tgatgaagaa cccataagag gaaccagatc actttcagac atctgccaaa ggtgtaatgt 240

tgctgtgatg gagcctgagg gatatgaaga agctacagct gatcagaaat ggataaatgc 300

aatgaaagag gagcttacaa tgattgaaaa aaatgaaaca tgggagctgg tggacagacc 360

taaccacaag aaagcgattg gtgtcaagtg ggtttataga accaagctca atccggatgg 420

ttctgt 426

<210> 17938
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<212> [illegible]
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cgagagcttc cgttgttgaa tttcgagcgt ctcgatatat tatgcgcctg aatcggacat 240

ccgagttaaa agttatgacc atttgaattt cttataagct tccgttgttc aatttcgagc 300

atctcgatat attatgcgcc tgaatctgac tttcgagtta aaagttatga ccatttgaat 360

ttctcgagag ctt 373

<210> 17939
<211> 407
<212> DNA
<213> Glycine max

<400> 17939

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atcgagacgc tcgaaattga acaacggaag cattagagaa attcaaatgg tcataacttt 120

taactcggag gtctgattca ggcgcataat ctatcgagac gctcaaaatt taacaacgga 180

agctcttgag caattcaaat ggtcataact tttaactcgg atgtccattt caggcacaca 240

atatatcgag acggttgaaa ttgaacaacg gaagctctcg agaaattcaa atggtcataa 300

cttttaacta ggatgtccga ttcaggcgca taatatatcg agacgctcga aattgaacaa 360

cggaaggtta tgagaaattc aaatggtcat aacttttaac tcggatg 407

<210> 17940
<211> 381
<212> DNA
<213> Glycine max

<400> 17940

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caagtcaagc tcaaaacaca gatagcaaac ctcctcaact ctagagttcc atcaccaaac 120

[illegible] 180

[illegible] 240

atgtctaaaa ctaggtttat aatgaaaatg aggattacta taatacgcag ttgtatgcaa 360

aggcttgtga agctaatgat c 381

<210> 17941
<211> 416
<212> DNA
<213> Glycine max

<400> 17941

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actttaggaa cttagctcat atttgcaatg ccacctaaaa gggctttgga cttggcttag 180

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tctaggatga ctccagcccc actccctttt gtattggatg agccatctac acagagcttc 300

caccacttga attacaattt tgtattgctt gatagcttga ttacaaattt tactatgcac 360

tgagacttca ttgacccccc tgattcatat tttagcccaa acttggacaa tttgat 416

<210> 17942
<211> 375
<212> DNA
<213> Glycine max

<400> 17942

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gaccctttct tgatctaggt accagttttc cttcattgac atgataataa gcattgcagc 180

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taagtcctat agcagtaaag ggcgttctat tgatcagaaa acaagttgta ttgatagctt 300

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gtgtttctgtt catte 375

<210> Glycine max

<223> unsure at all n locations
<400> 17943

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tacgcattgg gggctatcct tgctctanag attgataagc tacctcagga gatctactac 360

gcttccagaa ctttgg 376

<210> 17944
<211> 379
<212> DNA
<213> Glycine max

<400> 17944

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cattctgatt ataagcacaa cctacaattc cctccaaaat tttgtcacaa gaaagcactt 180

gtaagtttat aaatcttgcc tgcccacgag gtttagattg cttctttgcc caagtatgat 240

taggctgata tgcccgcatt gctctgtctc tatctctggt gccttccatg gattgctggt 300

ttatgtttgc ggaccccagt aacacatatt catcatccac tatcattcct tttgaatgaa 360

cataaatcat gaatctccg 379

<210> 17945
<211> 371

<212> DNA
<213> Glycine max

<400> 17945

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[illegible] 120

[illegible] 180

[illegible] 240

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grgtggaatg gcaaatgaga agactgatgt gttcagctat ggtgtggtgg ttcttgaggt 360

ggcttgtgga a 371

<210> 17946
<211> 417
<212> DNA
<213> Glycine max

<400> 17946

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tttctaagga atccatttcc taagaaatct cgggcaataa atagacataa ccgtaacgtg 180

aataatcatc aataatggtg ataaagtatc attccttttt gaaagaacta acaccaaaag 240

gtccacaaat atcagtatgc acaatttcaa gaagttgagt gcttcttgta gctcttttct 300

ttgtatgttt tgcttgtttt tcccttaata caacccacac aaatatttag atccgtaaaa 360

tctagataag gaagaatttc attctttatt aatctttcca tcctttctct aaaaatg 417

<210> 17947
<211> 424
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 17947

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cttattgatg cagatggagg agccttggat ttgaggacaa atccttttca agaaggaggg 180

agtgatgagg acataactaa gggcaaggac catgaagcac ttgaaggccc atgaccagag 240

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[illegible] 360

[illegible] 414

<210> 17948
<211> 378
<212> DNA
<213> Glycine max

<400> 17948

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tttaggggta tttgacaaat aagggtttag ggttacttga cgaatttgga tttaggggta 180

tttgactaat gaggatttat atgtagttga gttaattagg gtttagtgtt acttggccaa 240

ttagggttta ggggtatttg acaaattagg gttacttgac taataagggt ttatgggtat 300

ttgaaaatta aggtttaggg ttacttgaca atttggggtt taggtgtatg tgactaatta 360

agatttatag gtacttga 378

<210> 17949
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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atatattacg ggattcaatc ggacatccga gttaaaagtt attgtcgttt gaatttgctc 180

agagcttctg ttttcaattt cgagcgtctc gacatattat gggactcaat cagacatccg 240

tgtaaaaagt tatcgtcgtt tgatttttct aatagcttct gttctgaatt tcgagcgtct 300

cgatatatta cgggactcaa ttggacatcc gagtaaaaag ttattgtcgn ttgatttttc 360

tcagagc 367

<210> 17950
<211> 375
<212> DNA

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ctgattcctt taagatctaa tatgtgccac ccaattgctt ccatgtgtcc cttgaggacc 180

tttaccaacc tattctcttc ctctgctgtt agctcactgt gatcaccaca ggcttggtct 240

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tcttctcgga tggactccca ctttttaatt cttcaaagct ggtccccctt gcaggaatgt 360

tatcttcatg atcta 375

<210> 17951
<211> 376
<212> DNA
<213> Glycine max

<400> 17951

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caatgcctac aacattgact tgcctattga gactaatgta aacgccactt tcaatgagtg 120

taatctatct gtttccgatg cagacggagg agccttggat ttgaggacaa atccttttca 180

agaatgaggg agtgatgagg acacaactaa cgacaaggac catgaagcac atgaagggcc 240

catgaccata cgcaaactta aacaggccga acacgtcata aagacaaggc tgggcatttg 300

tatcgctgcc attgatgatg attgaaggcc caagtggaga cctatgaatg cccacatgca 360

gaagcgctac taagac 376

<210> 17952
<211> 415
<212> DNA
<213> Glycine max

<400> 17952

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atgtgatctt cgtcattgag gtgccacttg aactgccaag tctctccacc tttgggcgta 120

ttcttttaaa agattcgtgc cccattttt tgcacatgtt caatgattgc atcctatccg 180

[illegible] 240

ggaatgtatc agcaatttct catctttttgc gtatgccccc atcttccgac aatacatctt 300

tagatggttc tgggggcaag tagtcccctt gtacttgtca aagtctagca ccttg 415

<210> 17953
<211> 351
<212> DNA
<213> Glycine max

<400> 17953

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ctcacaagtt cttcgaggga aggttgtgga ggggcctcaa ctgttagctg tttctggggt 120

tgttgctgtt gttggattgg tggaggaatg tatggtctgc ttgggccagc aacattttgg 180

aaagaacgag caggctgctg tagctgttgt tgctgagggc tggaccatct gaggttatgg 240

tgattactcc atccaaggtt gtatctgttg ctggagaggt cataattgct ctgctgcgga 300

tgattttgct gctgaggttg acgaggtcta ttgtaaatgt ttgcagcata a 351

<210> 17954
<211> 369
<212> DNA
<213> Glycine max

<400> 17954

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taatgcttct tcacgatggc cagtgtccata cagtatccat ccttcataga caagcctttc 120

atgatccagaa gtagaataat ttctagccag ccgcaaacta cgcattgcag actttggaca 180

attcaacctа caagattcag gaaaatcaac acccataata gtcaagctct ggcattaaaa 240

tgaaaccaaa actaagacac acccaaccag ttttttcgaag tacttatcag tttccattca 300

ttctgaaagc agagaagata caataactga aaatcacctc caggactaac acttatgaaa 360

ctatgcata 369

<210> 17955
<211> 413
<212> [illegible]
<213> [illegible]

<400> 17955

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ctcggatgtc tgattgagtc ctgtaatata acgagacgct cgaaattgaa tgttgaactt 180

ctgagcaatt tcaaacgaca ataacttttt tctcggatgt ttgattgaga ctcgtaatat 240

atcgagacgc tcgaagttga atgtttatgc tttgagccaa ttcaaaccac aataactcta 300

tgctcggatg tctgattgac tcccgcgatt taacgcgacg ctcaaaattg aatgttcaag 360

ctctgagtta attcaaacga caataacgtt ctactcggat gtctgattga gtc 413

<210> 17956
<211> 412
<212> DNA
<213> Glycine max

<400> 17956

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gttcaagcac gactctcttt ctgcttttgt tggcttgcct tgcatagctc gcatttttct 120

tttcaatttg aaccttcact tgctcatgca acttcttcac atactcagct ttagcctgag 180

catccttatg cttaaacata gcaatgttac gcatatgcaa catatcaaga ggagtcaaag 240

gattaaatcc atacactatc tcaaatggtg aacaattagc tgtgctatgg acagcccgat 300

tataagcaaa ctcaacatga tgcaaacagg cttcccaaga tttatagatt tttctttata 360

acagtcctaa gcagtgtgcc ttaagtccta ttgactacct ctacttgacc at 412

<210> 17957
<211> 379
<212> DNA
<213> Glycine max

<400> 17957

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aacaatagaa tttcatatct accatcatca tccaccctct tttcttagaa aaaacaacaa 120

ccttattgat tgaaaaacaca tttattgaca ctcttattag gcatgtaatc atcaaccaac 180

[illegible] 240

gcacatttca ctattaattta actgttattc agtaatgtgc ttctacactc ttacaaacct 300

tccagaacct gacaacatc 379

<210> 17958
<211> 415
<212> DNA
<213> Glycine max

<400> 17958

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caccnccccc tctaaaattt aattggatta ggcttctacc aattcaatta aatttatttc 120

ccaacacaca catcaaatat tcacttagtg catgtgaaat tacaaaacta cccctaatac 180

aaaaactagt ctaggtgccc taaaatacaa gggctgaaaa atcctatatt tctagggtac 240

cctacctacg ttatggagcc ctaaatacaa ggaccagata taatgacatc ctaatctaat 300

atgtacaaag ataattggac ccaaccttgg cccatgggct cataaatcta cctgaggtt 360

catgagaacc ctacgacctt cttcaacagc tctagcccaa tcctcttagt gcctc 415

<210> 17959
<211> 416
<212> DNA
<213> Glycine max

<400> 17959

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ctattttcag attgggaatg cctctaacag cacttttgtc aaggattttc ttcatgcctc 120

ttaagtgcag atgtccaaac ctttgatgcc atattctgac ttcatcttct ttggaggata 180

gacatttgga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360

cctttcaccag cagtactttg ttcagactat gaagtccatc atgaactagc tttccc 416

<211> Polycistronic RNA

<213> 17960

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ctttcactgt ctcgatatgc cgagactccg aaacgacaac aagttttatc ttttccatgt 120

acttgaaaca aaactcagta gcttgtttcg caatgtactt ttcaacaata aatgcttgag 180

gacggtgtag attctttgta taccctttta agatcttcat gtatcgctca accgggtaca 240

tccaccgcaa ataaatggga ccacaacatt taatttcccc cacaaatga acaattaagt 300

gaacgtgat gtcgaaaaat gaaggaggaa aatacatctc caactgacac aagataatag 360

tagtctca 368

<210> 17961
<211> 404
<212> DNA
<213> Glycine max

<400> 17961

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atgtgatgaa gctggaatgc aaagttcacc actaatgctt catctggact gcagttcagc 120

attgatgtgg tgacaatgga agtccttgat gccactgctc gaagtttgag tcaagttcag 180

catttataat ttcattgatg tcttaaaagg taacctgtgg atgtgcagct ggagttgctg 240

cagcatttag agagctccag tttgtggtgt attgtttgct ttggaagagg ttacatctta 300

attggtatgg atttttattt cttgatcaaa gattctgttt gcttagaagc atgtgcagta 360

aagatagtgg tgtctgtact taaatttttgt tgcttgtgct cttg 404

<210> 17962
<211> 404
<212> DNA
<213> Glycine max

<400> 17962

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ggccttgaat ttctcagggt ccactttggac cccatttcta ccaactacta aacctaagaa 120

[illegible]

[illegible]

catcaagcctc atatacgtgc ttggtgcatt agtgaaccca aaacgcatca ctagccattc 360

attaccaacta aacttgggat tgaaagcact ttttcactca ttac 404

<210> 17963
<211> 413
<212> DNA
<213> Glycine max

<400> 17963

tgaaggcaaa ccggatgcat tggttaactt ggtaacctag ctggccttga atcagaaatt 60

tgtacctgtc gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatatttta 180

caatagacct cctcaacctc aacagcaaaa tcaaccacag cagagcaatt atgacctctc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca 300

gcaacaacaa cagcagcctg ctccttccat ccaaaatgct gctggcccaa gcagaccata 360

cattcctcca ccaatccaac aacagcaaca accccagaaa cagccaacag ttg 413

<210> 17964
<211> 379
<212> DNA
<213> Glycine max

<400> 17964

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gttcttttcc ttgcagtgaa tgccaacaat atccttgagt ttttttttggc atggagaaat 120

gcaatcttga aacctccatg gaaattctga gtttcactat ttaattcttt cttttagcat 180

taggagcgag gcttttgagta tgagccttga aataggcaac aaattggtcc ttaagtaggc 240

ataacttctt tgacacctgc atggttgcga aagtcttggc tccatctgaa gagcttagga 300

aatttctcac atgtgaacaa ttgcagccca tttatatctt gaattatagg tatgaataca 360

acaacaatat ccacataac 379

<210> 17965
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17965

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aaagaaacca ctctatctct cgtcgccaca ttgcttttct ctctgaacgc aggggctcta 120

atctccaaag ttggccaaag agggtagctg caaattcagc aaagaaatga acaacaacaa 180

tcaaagtcaa gaatagcaaa tgaataaaat tcaccacacc aattaataaa aaataaaaac 240

acagtaactg cttcaagtgt gcatttgca taccacatag attggttatg gcatttgaga 300

tagccaaggc tgtagcgacc ccatttccac aacctgacat atcttctcca agtaacaatt 360

ttgcaaacct ctccttcatc atctcaatct ctacaagtga gaatgaaaat caaatctc 418

<210> 17966
<211> 371
<212> DNA
<213> Glycine max

<400> 17966

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ttgtcattca tagtgatcat caatcactta agtacattag agggcaaagc aagttaaaca 120

agaggcatgc aaaatgggta gagtacctag agcaatttcc atatgttatc aaatacaaaa 180

agggaaaaac aaatgtggta gctgatgccc tctttaggag acagacattg ttttgctccc 240

taggagctca aattttagga tttgataata ttagggactt gtatgcttta gatgaacatt 300

tctctcccat ttatgagagt tgtgggaaaa aggcccaaga tggattctat ttggctgagg 360

agtatttgtt c 371

<210> 17967

<211> 424
<212> DNA
<213> Glycine max

<400> 17967

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[illegible]

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ggagaaaagg cccaaaatgg attctatttg gctaaggggt atttgttcaa agagggaaag 300

ttttgcatac cccaaggatc cattaggaaa ttacttgtta aagatagcca tgagggtggg 360

ctcatgggcc actttgggat agacaagacg ctcgtcttac tcaaagaaaa gttttattgg 420

cccc 424

<210> 17968
<211> 379
<212> DNA
<213> Glycine max

<400> 17968

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atcatggaca atttcttcat ttggttttga cgaaaacccc atggatcaat gcatatacca 120

caaagtcagt gggagtaaaa tatgttgtct tgttttatat gtatatgata ttttacttgc 180

agccaatgat tgaagtttgc tagatgaggt gaaacaattt ctctctaaga attttgacat 240

gaaggatatg ggtgatgtat cttatgtcat cgacattaag attcatagag atagaccttg 300

aggtatttta ggtctatcac aagaaaccta tattaacata atttcaaaga gaatccagat 360

gagagattgt tcaccaagc 379

<210> 17969
<211> 381
<212> DNA
<213> Glycine max

<400> 17969

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tgaataaaaa atctgcacct gtcgctagac tctgtggttt atgctcctct accgaccacc 120

acacagacct ttgctcttct gtgcaataat ctgaagcaat tgaacaacct gaagcttatg 180

ctgcaaacat ctacaataga catcctcaac ctcagcagca aaatcagcca caacagaaca 240

[illegible] 300

[illegible] 341

<210> 17970
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17970

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attgcatccc atacctagat cttctccata attccaccga atttatatgt gtatagatgc 120

atgcaagcaa ggagtggtct tgatggttgt tttctgaaaa ggtactacgg cggtcattta 180

cttgcagcag tgggacaata tgaaaacaat gcatttttg tgattgcata tgcaatagta 240

aatgttgaag ataaagacaa ttggaagtgg ttcctcacat tgttacatga agacattgga 300

gactacgaac aatatggctg gaatttcatg tcagacatcc aaaaggtgca attcaattgt 360

cttgctttga gtaattntga c 381

<210> 17971
<211> 419
<212> DNA
<213> Glycine max

<400> 17971

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tatttctatt actctaataa gttgacttta aagatgttta cctttaattg ttaattctct 120

tcaggaattt agacgtatca aggggaacat aaactcaatg agggaacatg cagagctttt 180

gagttctgtc agggatgata ttactgactt taaggtgaat catgagtttg atttgaatta 240

aattacaaag ctatttctc atagctgtac tagacttacc ttcttctggc agacatcagg 300

cagtatgtca ccaaggatgc agttactacg tgagagagct gccatccatg gaagtatatc 360

tcatgtaagt atttataata tgaaatatga tgaatttgta ttcttctact tgaaattct 419

<210> 17972
<211> 417
<212> DNA
<213> Glycine max

<400> 17972

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ctttttttct cttggaagaa acagtctaaa aacttgtttc caatgtcact ccaagtgata 120

aggctctgag atggatgagt attgagtcac ttcaaggcat tatctcctat gacggaaaaa 180

tggaaaacca tcatatagag attctcctct tcagtttggg tcacccctgt tgtaccacat 240

tgatcataaa atgtggccag atggttgtat gggtcttcat tagctaagct aggaaatgca 300

tgttgggcaa ggaaagtgat taggcctaac tttagccttt gttgtgtggt tgttgctcct 360

tggtctagca atgttgaagt atactcgtga accattatca gtgtcatggt ccgcaag 417

<210> 17973
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17973

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ttgagcaata tttatttttc ttgatcaaaa gtcaaaacta ttcatttctt gacgattcca 180

ttgaggttgt aatgagtaga aaggcaatag gcagaagatg ccattcaatc aatatagtaa 240

ggatatctat tggtttacat ggtgcaagta gacatatata atatggattg aaatttttag 300

agcattgaaa tcaaatcaat ttacttataa tatataaaaa catatttcaa ttttaatgca 360

tcaaaccttа tagat 375

<210> 17974
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17974

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antcctaatt ttcaacttac ctatatggat gtgacatcat ggcatataag tcccaacttt 120

[illegible]

[illegible]aatc atatcca'gg tgagcatgtg actacattac aaaatccaat atctatccaa 300

ctgttgatc taagcacaaa tcacttatgt ggtagattac cctatcttca natgatgtga 360

tgact 365

<210> 17975
<211> 425
<212> DNA
<213> Glycine max

<400> 17975

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aagagataac aatttagaga gtgatcgaag actttcaaat ggatttccaa tgaatttatt 120

catagagaga tcgagatatc ttaatgatga aagttttcca aatgatctag gaagagcacc 180

accaattgag ttgttggaaa aaagtaacgt gtcaatattt ttaaatgccc caatatgatc 240

tgtcagattg cctgaaagtc gtgaactctg aactgcaagt gttgtgagtc catgggaaat 300

acaacgagca agaatttcta aaagttcatt aacctgttgg ttgagtttga gatatgataa 360

atctatcacc cttaagttgc agagagtacc caaagaagtt ggaatcgttc cttcaagatg 420

attac 425

<210> 17976
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17976

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tagcttacaa tgattaaata ttacagttta tatagttagt tacaagatta actaacttgt 120

agttagttac aagagtaact aacttgtaac taactaactt taactcactc taactaacta 180

agctaatttct aactctagtt acatgataac ttatgctaat agcccccttc aagctaggaa 240

tgaatgttag acgtgcctag cttggaatac aaaaattgaa aaacaccagg cagcagagct 300

<210> 17977
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17977

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tgctttccaa ctaattgttg taccacacaa agtaaacaca tatcctctta aggactttcat 180

tgtgtctaca tttcctgcan aatctgcatc tacatagctt gtgattgctg cctcgtgtgc 240

tgtcttcttg taccttaaac cagctttcaa agatccatgt agatacctta gtgtccactt 300

cacagcttcc tagtgtgcgc tgccaggatc tcccatgaat ctgcttataa tacttatagc 360

atgagctaag tcaggtctac tg 382

<210> 17978
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17978

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gctttaaggt taagcagctg tagcaaaagt tgaatgaatt ggaagattcc atgtctcacc 120

aaccttctga ccagcaagtc cttcagttga agaatattca ggctgagcta tgggaaaagg 180

ctaagttgca ggaatccttt gttaggcaga aatctaaatg gattaaggag ggagatagca 240

atagctccta tttccataaa attatcaatt tcagtaggag aagaaacacc ttgagggggc 300

tgatgatgga tggtacttgn gtagaatacc ctgatttgat taacgatgaa gttctacagc 360

attt 364

<210> 17979
<211> 398
<212> DNA
<213> Glycine max

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cttagagctt caacattcaa tttcgagcgt ctcgatatat gatgggactc aatcagacat 240

ccgtgtaaaa agttattggt cgttgaattg gctcagagct tcaacattca atttcgagcg 300

tctcgatata tgacaggact caatcagaca tccgagtaaa acgttattgt cgtttgaatt 360

tcctcagagc ttcaacattc aatttttgagc gtctcgta 398

<210> 17980
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17980

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acacggatgt ctgattgagg cctgtaatat atcgagacgc tcgaaattga atgttgaacc 180

tttgagcgaa ttcaaacgac aataactttt tactcggatg tctgattgag tcatgtcata 240

tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataacgtt 300

ttactcagat gtctcattga gtcctgaaat ttaatgagac gctcgaaatt gaatgttgaa 360

cctctgatct aattcatacg acaatatact tttacacgga tg 402

<210> 17981
<211> 423
<212> DNA
<213> Glycine max

<400> 17981

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ggagacatgt ttttttcttt tcatttcttt cattattttt cttctttcgt cttctcttat 120

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[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

cac 423

<210> 17982
<211> 395
<212> DNA
<213> Glycine max

<400> 17982

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tgcacacaca tggcctctat ttatagccta agtgtcacaa acaattggag ggaaatatga 180

atttctattc aaatttcact tgaatttgaa attgaatttg tggagccaaa ttctggagcc 240

aaaatttcag taattattat tagtgaattc tagttatggt tcagcccact aatccaagat 300

caagtccaag attctgcact aagtgtgctt aggtgtcatg aggcatgtaa agcatgaagg 360

acatgcacaa agtgtgacta tatgatgtgg caatg 395

<210> 17983
<211> 376
<212> DNA
<213> Glycine max

<400> 17983

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ccaaaattct ttaatgaaat tgaagttgaa tccatcaggt ccaggacatt tgtccccacc 120

acaactccac actgcttctt tgatcttatg atccgagaaa ggagcaatca attcctccct 180

ctgcctttgg ttaattgaag agaattgtac tccatcaagg gtgggtctga aaagctgttg 240

ttcagtgaat ctgttgagaa aaaaaattca cagcttcatt cttaacttca ttgaggttct 300

aaatccttac accatgaatg agaatccttt gaagaccata taatgtctct tggaattata 360

agttatggaa taagct 376

<213> Glycine max

<223> unsure at all n locations
<400> 17984

agcttgttat ccgagtagac tactccgaga atggtggcat tgactacccc agttgaaatg 60

ttgatactgt tacctaatgc attcacattc agcggaagcc ttgcagggtc tttaccagcc 120

actgtctgca cagggttgct taaggaatcg aagtttgagc tcgacacaaa ctctggcaat 180

atgtggaact gcactaattc gatttttctgg cctttcgttta aggagttgag gaagcctgct 240

ttgaggttgg aaaaggcaga atcatctggt gcaaggatgg ttatgccgcc actcttggct 300

gttatgagct gtgagttgat gttgttcatg atttctgtgg ttntgaggag gcggattang 360

actgagaaca ttnnttgcct tttcaggatt ct 392

<210> 17985
<211> 311
<212> DNA
<213> Glycine max

<400> 17985

agcttgataa caagtgaaaa tgtctgtata atttgtgcca tactgctgat gaaaaccctt 60

agccaccaac ttggctttgt acttgttaac aatgccatca gagttttctt tcacctaaaa 120

caccactttg caaccaatgg aagttttgtt aggaggtata ggaactagac tccatgtttt 180

gtttaaaatc aaggcatcat attcagtttg catagcagcc aaccaagtag ggtcagccaa 240

ggctgcttg gtggatttag gttctaaatg ggtcagaata agggtaacgt gaatcttgtg 300

ttgaacaata c 311

<213> 17986
<211> 393
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 17986

attcttgatg tagagaagtt atggattata ccattctttt tatagaatga tctaaactca 60

[illegible]

[illegible]

agtatacccc aatatatatt tcaatagtca tcaattatga caaagccata ctttttgcct 240

cctagaatca atgttctagt tagtccaaat agatccatgt gcaatagatg tataggtctg 300

gaagtggaaa caacatcttt agatttaaaa gaggttntga tttggttgcc ttgctgacat 360

gcttcatcga gaatatgagt tttccaacag atc 393

<210> 17987
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17987

tcaagtcttc ttgagaagat tcctaaagaa gctagagctt agctacacac accgccctaa 60

gaactaagct gacctccgtg agatgagaag ctcaagctta caaaagaagt gcctacaacg 120

aagactactc agaatgccct gaaatacaag gctaaaatcc tatactacta gaatggccaa 180

aacacaaggc ccaaaagaag gaaaaaccta ttctgatatt tacaaaaaag agtggatcca 240

accttgaccc atgggctcaa aaatctacct taaagttcat gagaacccta nggcattctt 300

tagtagctct agcccaatcc 320

<210> 17988
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17988

ctcgacccgg gatcctctta gtcacctgca gcattttatc ttctagaata atggcctctt 60

tctaacttct tattcccaga aggaaattca atacataggc ctcctatttt taatggagaa 120

ggttaccact actggaaaac ccgaatgcaa attgttattg aggcaataga cttaaacatt 180

tgggaagcca tataagttag accttatgta cccaccatgg tggctggaaa tacaacaata 240

gagaaaccta tacaagagtg gtatgaacat gacagaagat tagtgcagta caatttatag 300

gctaaaaaca tcattacttc tgccctatga atggatggat atcttacggt ttcaaattgt 360

[illegible]

<210> 419
<211> 419
<212> DNA
<213> Glycine max

<400> 17989

ttaagaaaaa gatggcctca gcaaattcct tatttctctg aaggttaatt ctatcaatag 60

gcctccaatc tttaatggag agggttacca ctactggaaa acccgaatgc aaatttttat 120

cgaggcaata gatctaaata tctgggaagc catagaaata gggccttata tacccaacac 180

agtagaaaga gtttcaatag atggtagttc atcatgtgaa agcataacca tagaaaaacc 240

tagagataga tggtctgaag agggtagaaa acgagtacaa tacaacttaa aagccaaaaa 300

cataataaca tctgccctag gaatggatga atatttcaag gtttcaaatt gtaagagtgc 360

taatgaaatg tgggacactc ttcgataaca catgaaggaa ctacagatgt taaaagatc 419

<210> 17990
<211> 339
<212> DNA
<213> Glycine max

<400> 17990

agcttgtgcc tcttcacgtc tggaatatga atagcatata gatccaaaga cccttaggtg 60

ctttgctgat ggcttcttcc cgttccaagc ttcaatagga gtcttgtctt ttacagactt 120

agttggacat ctgttgagta tgttaacagc aatgtagact acttcagccc aaaatgtgtt 180

aggtagtccc ttctccttga gcatcgatct agccatttcc ataactgtgc gaatttttct 240

ctcagacact ccattttgtt gatgagaata tgcgactgta agttttcgct caatgccttc 300

atccttcaaa aaactttcaa acttgcgaga ggtgtactc 339

<210> 17991
<211> 394

<212>	DNA
<213>	Glycine max

<400>	17991

gtataacact caacttaaca tctaccactt ccaggtgctg gaactacttt tcatttacct	60

[illegible]

[illegible]

atbaacagag ttgagtctat caacttcaaag aataaaagac tgagtgatca atacaattac	..0

gaagtgaccat ggctgagagt ttgaaaacag caagtttact agattctgca catctgaggg	300

catcactcat gagttttctg cagtcattac accactacaa aacggcataa ttgtaaggat	360

atacacgact ttgcaagatg ctgctatggt catg	394

<210>	17992
<211>	422
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	17992

tcttagttnt agctgatgaa aatgaattcc tggcttcttc attcactcct ctaatgacaa	60

tagcatcatt tttggcgcta cattgctggg agttggaagc catcatctca attaaattcc	120

tggcttcaac aggggtcatg tctccaaagg ctccaccact ggcaacatca atcatacttc	180

tccccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt	240

ggtgagggca actgacgcgt agttntttaa atctctccca atattcatat aggctctctc	300

cactgagttg cctaatgcct ggaatatcct ctttgatggt cgtggtcctg gaagcaggga	360

aaatgttttc taaagaatac tctcttgagg tcatcctggc tcgtgatgga ccttggagca	420

ag	422

<210>	17993
<211>	421
<212>	DNA
<213>	Glycine max

<400>	17993

tataggaagt gaaagaatta gcatggtgag aaatgtttcc gctttgattg gtaaatctgt	60

tccccaaatc cctgaataat gtaaagatcc aagtacatta agcatacctt gtattatagg 120

aaacagtaag tttgacaatg ccatgctaga tttatgagct tctgttagtg ttatgcctca 180

gtctatttct aattctctat ctcttggtcc tttgcagtca actgatgtgg taatttattt 240

agttaatata atttgttgct atcctcttgg tttcatagaa gaatgtctaa tttagagttg 300

ttttctggtt ttttttttgg gttttttatt attttgtgtt tgtttttgtt tgttttgttt tt 362

atcaattccc atcatttcag gcagacctct tatgaaaact ccttaaaatt aaatagatgt 420

a 421

<210> 17994
<211> 409
<212> DNA
<213> Glycine max

<400> 17994

taatatatcg agacgatcaa aattgaacat cggattctct cgtgaaatta aaatggtcat 60

aagttttaac tcggatgtcc gattcaggag cttcacatat cgagatgcac gaaattgaac 120

aatggaagct ctagagaaat tctaatggtc ataaattttc acacggaggt cctattcagg 180

cgcttaatat atccagacgc tcgaaattga acaatggaag ctctcgagat attcaaatgg 240

tcataacttt tcactcggat gtccgattca ggtgtatcac atatccagac gcttggaatt 300

gattagcgga agctctagag aaattcaaat ggtcataact gttcacacgg aggtcctatt 360

caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctc 409

<210> 17995
<211> 420
<212> DNA
<213> Glycine max

<400> 17995

gcttaatggc ttaatgagga tggagaggag cacgtaatgt agcctttggt gttggatatt 60

accattggag ggtacaatga ttaagtccta tgtgatgttg atgctatgga ggccagccac 120

ttactcttgg ggagaccatg gccttttgat aagagggcta gtcatgatgg tttcaccaga 180

aagatctctt tcgggtctca tggcttaaag atcgtgctca aacattgag tccccaaaaa 240

gtgtgcgagg atcatagaaa attgaagagg aaaattcttc tcgaggaaac ccatgatgaa 300

aaagagagtc aaacacttga gagttcatat agtgaggaca caaagaggga aacacatgag 360

agaatcttga tgagtgaaac acttgaagtg agggagaatt tctagttaca aaaggagagc 420

<210> 17996
<211> 404

[illegible] 60

tgtggacaaa ataaacactt cacaaaatat atatatgtat gtttaggtag aaagatacct 120

taaatatgca tgtatgtaaa caaaaaaata cttcacaaaa catatatatg tatgtttagg 180

tggcaagata ccttggatat gcatgtatat agcaaaaata cctcacaaaa atatgcacat 240

gtatatgtag cataatacct catgaaaaaa taagaataaa acaacaggcg cgataaagat 300

ataaacagat gataatgatt ataaaaaaga aggagaaaaa agaaaaaata agttgtcaag 360

ctgaaaaacc aacatgcgtt tgaaaagaga tgaacttcaa cttt 404

<210> 17997
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17997

agctttgtta ttctcctgtt ttagctntac ccgattttac tcaaccattt gaagttgaat 60

gtgatgctag tggagttggc attggggctg ttttgataca aaacaaaagg cctatagctt 120

atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180

atgccattgt gagagctctt gatcattgga atcattattt gcgttctaat cactttatat 240

tgcattcaga tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc 300

atgctaaatg ggttgaattt cttcaatctt ttaatttctc tttcaaatac aaggatg 357

<210> 17998
<211> 423
<212> DNA
<213> Glycine max

<400> 17998

ctgagcaaat tcaaacgaca ataacctttt tactctttat gtcggattga gtcccgatat 60

atatccagac gctcgaaatt gaatgttgaa gctctgagca aattcaaacg acaataacct 120

ttttactcag atgtcggata gagtcccgta atatattgag acgctcgaaa tggaataccg 180

[illegible] 420

caaaggtctg agcaaattca aacgacaata actgtttact cggatgtctg attgagcccc

423

ata

<210> 17999
<211> 415
<212> DNA
<213> Glycine max

<400> 17999

tacttcaagct tcatgagaga gtcaaagatc aaattgagag gaaaattata atctatgctt 60

aacaagccaa caaagggaga atgatggttg tcttcgaacc cggagattgg gttttgggtgc 120

acatgagaaa agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg 180

gaccatttca agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccggtg 240

agtataatgt tagttccacc ttcaatgtct ctgatttatc tctttttgat gcagatggag 300

aatccgattt gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga 360

gcaagggcaa ggatccactt gaaggacttg gaggacctat tgatgacgac atgac 415

<210> 18000
<211> 291
<212> DNA
<213> Glycine max

<400> 18000

agtctgtagc caactggatg cattggttaa cttggtaacc cagctggcct tgaatcaaaa 60

attgtacct gtcacaaggg tttgtggttt ggtgctcctt gctgaccacc atacagacct 120

ttgccctttc atgtatgcaac ctggagcaat tgagcagcct gaagcttatg ctgcagatat 180

ttacaataca ccttcgtcaac ttcagcagca aaatcaacca cagcagatca attatgacct 240

ttccagcaat agataccacc ctgcatggag gaatcaccct aacctcacat g 291

<210> 18001
<211> 379
<212> DNA
<213> Glycine max

<400> 18001

[illegible]

ttcatgctcg cactaaacac atggagttag acctattttt tgttcgtgaa aacattttaa 120

acaagttgct cttagtgatt tatgtgcttg ccaccggtca atatgttgaa attattacca 180

aatctttatc tcttaccaac tttgaagctt tcaggtttaa gctcacactg tgtgatccct 240

caaattcttg tcagtctcac ccactgatgg ctccccactg cagttacttt ttgtgcattt 300

atgtcttaag ggaaatttca atgggggggtt ntatcaccgg anagcgcacc aagttgtcaa 360

gtatttaaaa ttaaaacgg 379

<210> 18002
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18002

agctntgcta ttccatgctc aattgtgaat ctttttgtag gtaaaacact actggatttg 60

ggagcaagca ttaatcttat gccaatttca atgcttacta aagttggaga tgtggagatt 120

aagccaacaa ggatgacact ttaactgaca gatcaatcaa agttccatat ggagtaatgg 180

aagatgtgct agtgaaggtg gataaattca tattcttggt tgactntgta atcatggata 240

tggaagaaca tgttgaagtt ccttttattc ttggaagact attcatgatg acaactctag 300

nattgattga tgtaaacaat ggcaagctca aaatac 336

<210> 18003
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18003

tggatttcct ttagtaggga atctatcctt cctaagatgg agccaaatcc agtcaccgtc 60

attaagaact agctcttttc atcctctatt gcctttagtt gaatacacct ttgtttggtt 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

agcccttana agggtggata aagatctatt cactacctct gtttgcccat cagtttgtgg 420

at 422

<210> 18004
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18004

agctttactt aaggtttgtt cctaatttct ctacacttgc ctcacctctc aatgagctgg 60

tgaagaagaa tgtgtcattc acttggggtg aaagacaaga gcaactcana gaaaagctca 120

ctgaggcccc tgttctagct cttcttgact tttctaaaac ttgagctaga atctgatgct 180

tctcgagtgg gtgtaggagc tgtattgttg caaggtgagc accctattgc ttatttttagt 240

gaaaaaattc atggtgccat cctcaactat cccacctatg ataaagagct ntatgcctta 300

ataagaagcc ctcaaacntt gggaacatac cttgtttcca aggaatttgc attcatagtg 360

gatatgaatc acttaagtac attagaaggg taa 393

<210> 18005
<211> 386
<212> DNA
<213> Glycine max

<400> 18005

agcttccatt gttcaatttc gaacgtctcg atatcttatg cgcctgaatc tgacctccgt 60

gtgaaaaagtt atgaacattt gaatttctcg agagcttccg ttgttcaatt ttgagtgtct 120

tgatatatta tacggctgaa tcggacctcc gagtgaaaca ttatgaccat ttaaatttct 180

cgagagcttg cgctgttcaa tttcgagcgt ctctatatgt gatgtgccta aatctgacct 240

ccgtgagaga agttatgacc attttaattt ctcgagagct tccgttgttc actatcgagc 300

gtttcaatat attatgcgcc tgaatctgac ctccgtgtga aaagttatga ccatatgatt 360

<211> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18006

nttcactcgg atgtccgatt caggcgcata agatatctag atgttcgaaa ttgaacaatg 60

gaatcgtttg agcaattcaa atggtcaaag cttttcactc ggatgtccga ttcaggcgca 120

taatatatcg agacgttcga aattgaacaa tggaagctct tgagcaattc aaatgatcat 180

aatttttcac taggatgtcc gattcaggcg cataagatat cgagatgttc gaaattgaac 240

aacggaatct tttgagcaat tcaaatggtc aaagcttttc actcggatgt ccgattcagg 300

cgcataatat atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaatga 360

tcataacttt taactcggat gtccgattca ggcgcataat atatcgagac attcgaaatt 420

gaa 423

<210> 18007
<211> 413
<212> DNA
<213> Glycine max

<400> 18007

taactaatca gatgggacaa ttggctactc ttttatatca acaacagtcc cagaattcta 60

acagattacc ttctcaatct gtctagaatc tcaaaaatgt gagtgccatt acattgaggt 120

cgggaaagca gtgtcaagga cctcaacaag tagcatcttc ctcatccgca aatgaacctg 180

ccaaccttca cttctactcca gaaaaagatg atgacaaaaa tttaaagagt aagttaccta 240

acaatttcta tgcaggtgaa tcttccacta gtaattctga tttacagaag cagcatatcc 300

ctctttccat tcctccaaga gaaatttcca acaaaaaaaa tagaagaggc aaaaaagcag 360

atattggaaa catttagaaa agtagaggta aacatacctc tgctggatgc aat 413

<210> 18008
<211> 144
<212> DNA
<213> Glycine max

[illegible] 144

ggtatcacga tgatgttagc ctca

<210> 18009
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18009

cattcaacct tccaagaaaa agtaatggcc gttggaattt cctctgacct tcaacattca 60

attccgagcg tctggatata ttacgggact caatcagaca tccgagtaaa aagttattgt 120

cctttgaatt ggatcagagg ttcaacattc aatttcgagc gtctcgatat atttcnggac 180

tcaatcagac atccgagtaa aaagttattg tcgtttcaat tggctcagag gttcaacatt 240

caatnttgag cgtcccgata tattacgtca ctgaatcgga catccgagta anaagtattg 300

gcgtttgaat tgctcaaagc ttaacatttc aattcgagc 339

<210> 18010
<211> 308
<212> DNA
<213> Glycine max

<400> 18010

aaaagatagt tggaggtctg ctgcatactt attcaagtac ctaaattatg caagggaatc 60

gttctttgtt taaaacttaa attattaaaa ataattataa atgcctcttt acatgaaccc 120

[illegible] 180

[illegible] 240

taccccttac ccagttttcc caatggtcca tctacatatt atactatatg tcaaaccaga 300

aattgaat 308

<210> 18011
<211> 316
<212> DNA
<213> Glycine max

<400> 18011

agcttnatgt gaagattttgt gaaagtgtaa cctgttcaat gacattttgaa atatttatag 60

tgtctctagt agagaaaaca gtcaaaagtc acttctttat tatttgctta ctttcccaac 120

caaatgttca ggccnagttc tccatccccc acactcttat atgagaaccc gacttttacgt 180

tttcacatat aatggtatgt agttcttgca tgaatcanat aatccatcta attcaccagt 240

ctcataatct agtttatgac atatcaccag agactaagga ctggtgtctg taaactgtga 300

nagggccaag ttgatg 316

<210> 18012
<211> 195
<212> DNA
<213> Glycine max

<400> 18012

catggatctt acttgctggc tctgaggggg tggatccact gagctagaac attggctccc 60

tggcttcacc ccctttctg ggagtgaatg agtctgtctc gctggcattc caggagccac 120

tatggtatga aaaacaaaaa ctcctgtagc tagttcggtg tctgaccaaa tggctgccca 180

agttttgctt gaaac 195

<210> 18013
<211> 876
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18013

agcttgcatg caaattatct taatatnaaa acatgcanac attgaaccat agaggtaaaa 60

gttccntatg aaggaaacta anaaacactg attaaagnaa ttgtagatna cacaaacnaa 120

tggaaaaaca cctcatgcac atggattgga aggaacattc attaaaatga acatacttgc 180

ccaagaaatc tacagattca atgcaatttcc tatcanaata tcaatgtcat ttttcatang 240

aatagaanaa gcaatcctaa nattcatata gaaccaaaaa agagaccana tagcccaagc 300

aatcttaaac aaaaaaaaaa taacttaaat catcaattta ccttaattta aattatacta 360

<211> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18014

agctngttat tgcaggcact gngccggttt gttttttaac ctgttttacc tctacattta 60

cactatcagc ataatatact ataaataaat atatgctgat taatatattt tcaatggtac 120

aatttaaact aaatattatt tttaaaacca cactttctct agcttttgtta ctaagagcaa 180

agtaagtcac atacagtaag gtttagtctt attgtaaaag aaaaatttca gacaacataa 240

atttaacaga atttacgtgg aaaaaaaaga aagattcatg aatcacacat tacacagaat 300

ctgaaaagat tcagagagct ctgctttgcc acatgggcag tgagtattta tagacagaac 360

atgggagtaa gtatagaaat 380

<210> 18015
<211> 255
<212> DNA
<213> Glycine max

<400> 18015

agtttctttg ccgattgcct caaggacatt gttttcactt gtccctagca cgtgcctatc 60

catatttatg gatgagtgga ttatcactag acaaagacaa attatcttta aatctgaagc 120

tataaaatgt ttatgtttgt tgatttatat tgcccagctg ttctcccagc aaggtggtta 180

gcagggtgac ataaaaataa aacagcatcc acgctttcta tgccaaatgt aagaaaagaa 240

ttaaaaatgat gttcc 255

<210> 18016
<211> 248

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18016

[illegible] 60

[illegible] 120

[illegible] 180

aagatttttt tatcttattt aaaagtttng attgaatatc aca 283

<210> 18017
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18017

ccncaagaag aaaggaattc acccagtgca tacaagtatc tgcaggcaca nataaatcct 60

tggctgagct caagagactt ttaaaaggtc taatctgaga ttccttatga aaaaaattcc 120

agcatagcca gttagagaaa gagagcctat atggccaata attattcttg ctgcacttta 180

tgtaaataat taggcatagt ataataaagc aagcttattt tgcaaataaa ttggtcttgt 240

ctttagtaaa aataaactgg agagagacaa attatggttc ataacagcta cagcacacct 300

gttattagat tccaacctca tccattgttc ttgagcttct gctgatgacc ccatattt 358

<210> 18018
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18018

agcttactat catggtggaa ggtgaagggg gagaggacaa gtcacatagt gaaagcaaga 60

gcaagagaga nagtgtggtc ggcagaggtg ccacacactn ttaagtaacc atatctcatg 120

agaactcact atcagaaaga caacaccaag ccatggatca ttcacccccat gatcaaaaca 180

gctccacta ggccccacct tcaatgcttg gaattacaat tcaacacgag atttgggtgg 240

tgacaaatat ccaaactgta tcagcagact aatacaatag tacattatga tcaaataggg 300

tttatctcaa gatgtaaatn tgggttaacc atttgaaact aatcgtgtaa ttcaccaaaa 360

ttacagcata naaaagaaaa atcatatgag tatcttcaca gatgcagaaa caggatttga 420

caaaattcaa tacccattca tgatnaaataa ct 452

<210> 18019
<211> Glycine max
<212>
<213>

<223> unsure at all n locations
<400> 18019

agttnnattt anacnccaca ccccgcaccc tcttctgctc tgcttcctgt gggaggaacc 60

ttacaaatnc caaatcatgt cagccaacgt atttaaagta ctgaaaacat attttangaa 120

taaaatctga agaaaaatgc gtttcctatg cctgngtcac atcagtttgg gaaaaaatct 180

gatgcaagaa gataaaatgc cagctccagt agcagaaacc aactaccaca tcaaagtttg 240

tcatctgcct tttggttgaa agcatggcan gcaagcggat ctatagtgca gcccgctgat 300

catttta 307

<210> 18020
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18020

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tgttattggg tatgacttga gcattagtat tttaaaaatc ttgtagatga tttaatttta 180

gccataaatg tatcccatag tttgttttatc ccataatttc tgattcttcc cacatcaaga 240

atcaggtgac atcactgaag attgtacaag tattaagttg ataattagac aatataaaaa 300

agcattattt caatatattt aacattgtaa tgaaatggag atttttgaaa tataaanatt 360

actaaaactt actcatgaag aaataaataa cctgaatagc cctatatcta at 412

<210> 18021

<211> 235
<212> DNA
<213> Glycine max

<400> 18021

[illegible]

[illegible]

[illegible]

<210> 18022
<211> 376
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 18022

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gctgtttgaa cactcggtct aacttcagtt cattcaaaaa cagttcattt tgaaaggaac 180

aataaggaac aaacgaaata cacacatgat atggattggc tgtatcccca ccaaatctca 240

acttgaattc tatctaccag aattcccaca tattgtggga gggaacccag gggaggtaat 300

tgaatcatgg nggctgatct ttcccatgct attcttctga tagcgaataa gtctcacaag 360

atctgatggg tttatc 376

<210> 18023
<211> 422
<212> DNA
<213> Glycine max

<400> 18023

agcttcttag tttatatgat gcagatggag ccatcttctc aattaatatt trggcttcag 60

ragagtcat gtttccaagg gctccaccac tagcagcatc tatcatactt ctctccatat 120

tactgagtcc tttataaaaa tattggagaa gaagttgttc tgaaaatctga tggtgggggc 180

aactggcaca tagtttctta aatctctccc gagactcata caggctctct ccactgagtt 240

gtctaatacc tgagatatcc tttcttatgg ctatgatcct ggaaaacaagg aatattatct 300

ctaagaatac tctcttaaag tcatcccacc tcgtgatgga ccttggagca agtaatacac 360

cagtcctttg ccactcctct aatgaatgac gaaaaccttc agaaaattgg acctcttgac 420

at 422

<213> Glycine max

<223> unsure at all n locations

<400> 18024

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ctaccaagac tactcagaat gccccgaaat acaaggctaa aaccctatac tactggaatg 120

accaaaatac aaggcccaga cgaaggaaat acctattcta atatttacaa agataagcgg 180

gctcatactt atcccatggg ctcgaaatct accctaacgc tcatgagaac cctagggcct 240

taccttggat ctctaaccca atctacgtgg tgtctttctc ccaatgccct tgcggggt 298

<210> 18025
<211> 409
<212> DNA
<213> Glycine max

<400> 18025

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caacaaagta tgaactttag ttgaagcttc aaaggatata aaaccaattg gttgtatatg 120

ggtttacaag acaataattg gagcttattg gaaggttgaa acctacaaaa ctcgccttat 180

tgccaaggga tattgtcaaa aggaaggtat agattatgac ataacttttg tcccatggcg 240

atactcaaat caatttggat gcttcttgct atattagcat actatgatca tgaaatatga 300

tatggatgtg gaaaatggct ttccttaatg gtgagctata ataacatgtg tgtatgacaa 360

aacttgatgg atcacatcct agtcttatca taataaagtc tacaagttt 409

<210> 18026
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18026

agcttttgct tttaatatct tatnnngnaa tttaacaaaa attgcttccc tatcaattag 60

catcttatcc actgctgcca ctgatgaaga tcccattaga tattgcccaa tactgggcgg 120

[illegible] 360

gtgataggca gaactcattt gcaatttcgt tccacgcaat cgaaagagct cttgccaaaa 360

cttattcaca aataatgggt ctctatcaga cacgagactt cgaggcatac cat 413

<210> 18027
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18027

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cagtcgttgg aggacctttt aaaagcatgt gtcttatagt agaagggaag ttgggagagt 120

tttcttccat tgatagagtt cacttataat aacagttttc actctaccat tggcatggct 180

cccctatgaag ctttgtatgg tagaaggtgt aagacacccc tatgttggtc aaagcccgga 240

gaaggcctca ccttatgacc agaagtggta caacaaacca ctgagaaagt taagttaatt 300

catgatagga tgagaacggc tcagagtatg caagaaagtt atcatgataa gaggaggaaa 360

gatttggaat tcgaggttgg tgatcatgta ttcttaagag tcactccgtg gac 413

<210> 18028
<211> 409
<212> DNA
<213> Glycine max

<400> 18028

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atcccaaat cagccctata ccccggagctc accaaatcct tcaacaaatc aaaagccaat 120

ccaaccttac cctcaaccac aaacgcctca accagcggtc catatatcac cctatccacc 180

aaacaaccct tcccctttcat ctcccctgaac aactcatacc cctcctgaac cctccccccct 240

tttgccagcc ccacaatcat ggtagcatat gcattcacat ccggcaccac ccgggccctc 300

ttcatctact cccaaaccct cagacacgca tgcagattac ctgcaggcac cagaatcttc 360

accaaagccc tatatgcaaa cccatccaac ttacaaatcc tatcaaaaa 409

<210> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18029

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gttgtggggat gatatgctga actgaactta ggttgtgtac ctattgcttt aaaaatggct 120

ttccagaagt tgcttacaaa caaacggtca cgatctgaaa caatggaaga tggaaatcca 180

tgcaatctta caatatcctg tagaaaaact gcagctactt cggtagcggt gaagggatgt 240

cctaatggta tgaagtgggc atattcagtg agtcgatcaa ccacca 286

<210> 18030
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18030

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taatatatcg agacgctcga actggaatac cgaagctctg agataattca aacgacaatg 120

acttcttact ctgatgtctg attcggtccc gtaatatatt gaaacgctcg atattgaaag 180

ttgaagctct gagcaacttc taactacaat aactctttac tcggatgtgt gattcagtcc 240

agtaatatat cgagacgctc gatattgaat gttgaagcta tgagcagatt caaacgacaa 300

taacttttta ctcggatggc tgaatgagac ccgtaaatat caagacgctc g 351

<210> 18031
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18031

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ctaagctcac ctccttgaga tgaggaagcta gaacttaact acacacacnc cctataatag 120

[illegible] 360

[illegible] 398

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<210> 18032
<211> 428
<212> DNA
<213> Glycine max

<400> 18032

agctttatct ttgtcctcag gcttcatgta gacttgtcca aaatcgcgaa gtgaacctcg 60

gatccctgtc agatacaata ctagaaggaa ttccatgcaa ccttactact ttcttgatgt 120

acaactccac tagcttctcc attctatact tcatattcac cggaataaaa tgagcagatt 180

tggtgagtcg atctactatg acccacacag catcatgtcc acgactagtc ttaggtaaac 240

tagatacaaa atccatagat atgctctccc atttccattc cgggatttcc aatggcttca 300

attctcccga tggtcgctgg tgctcaacct tagccttttg acatgtcaaa catcttgcta 360

catattcagc tacatctttc ttcatgccat gccaccaaaa acttctcttc aaatcttggt 420

acatctta 428

<210> 18033
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18033

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taccaattat aattatttag ttatgaacct ttatgtaaca tttcacaatt tgttcttttat 120

aaaggattgt gatttttaat acaagttact ttaattattc aacgttctac gtaaattata 180

tatagcctct ccaagcctaa cacaacaata tttgagctca ttttgaattt gaaataataa 240

cttaagactt attaattgaa tgaaattgga attatatttt caattataca atgatttgat 300

[illegible] 360

[illegible]

<210> 319
<211> 319
<212> DNA
<213> Glycine max

<400> 18034

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tacaatactg cacactattc tcatacatcc tttccaacac atagtgcccc aaattcccat 120

ttgcttccaa taaattctca ttgcacagaa actcactcgc acaaaccttc tccacttttcc 180

catagaagtc atgcaagaag acatgagtct tatggtttcc acccttttttg ctcctggcga 240

gaacaccaac ggtgaatatc gctgacattc tgccaggagc atctggccag tccccgcgtg 300

tgccgtcaac caatatgac 319

<210> 18035
<211> 431
<212> DNA
<213> Glycine max

<400> 18035

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gactgatcat tagaaccaat gaacttagtg acaatctcct tggacaaaag cttctctcga 120

ataaaatggc aatcaatctc tatgtgctta atcctttcat gaaagactgg gtttgaggca 180

atatgaagag cagcctgatt atcacaatac aacttcattt gcaactcttc acaatacctc 240

aattcttgta gaaattgttt aatccacgag ttcacaagta accatagcca tagatcgata 300

tttagcttct gcactggacc aagcgacaag tgtctgtttc ttgcttttcc aagagataag 360

aattcctcca atgatgacac ataagcctga tgtagacctc ctatccatgg gacagccagg 420

gcaatcatca t 431

<210> 18036
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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aagctctgag caaattcaaa cgacaataac tttttactcg gatgtgcgat tgagtcctgt 240

aatatgtaga gacactcgga attgaatacc gaagctatga gcaaattcaa tcgacaataa 300

ctttctactc ggatgtcgga ttgagtcacg taatatgtcg agacgctcta tatagaatac 360

ccaagctctg agcacattca aacgac 386

<210> 18037
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18037

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tatgtctgaa gtttagtaca tatgcttgta ctacaatttc aagatcctaa gatgttgagn 120

ttttaattaa accatgtgtg gcaggaaatg aatgttctga gagattggca tactatggta 180

tgagtacaaa cctggtgaac tatcttctgg agcgtttcaa ccagggaaat gcaaccgctg 240

caaataatgt cacaacctgg tcaggcacat gctacatcac accattgatn ggagcctttc 300

tagctgattc atacttgtga agatactgga caatctccag tttctcaatt gtctattagt 360

attgtagttt agagatnntt ttttttcttgt ttgttgagtc cccatg 406

<210> 18038
<211> 395
<212> DNA
<213> Glycine max

<400> 18038

atcttgagaa gacaacgggg gaggtgctct taagagggta tgcttccgaa gctatgagat 60

taaccttaag cttgcaggac caagcttctt atgccatacc cagtgatgct ctttgatcga 120

gagtaggcac aacacttttt tatcttgaca aatcaccaag tgtaatgtca tacagatttc 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 416

<210> 18039
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18039

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tatgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgttgtgg atgatttctc 120

cagatttacc tgngtaaact ttatcagaga gaaatcagaa acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa gagagaaaga ctgtgtcatc aagagaatca ggagtgacca 240

tggcagagaa tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300

tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga anaacaggac 360

cttgcaagag gctgctcggg tcatgcttca tgccaaagaa cttccctata atctct 416

<210> 18040
<211> 346
<212> DNA
<213> Glycine max

<400> 18040

attgtgtacc gtagtatatc gagatgctcg taattgaaaa cagaagctct aagcagattc 60

aaacgacaat aactattgac tcggatgtcc gaatgtgtcc tgtattatat cgagatgctc 120

gaaattgaaa actgaaactc tgagagaaat catatgacga taacttttta ctcggatgtc 180

gaattgaatc ccgtaatata tcgagacact cgtaattgaa aatgaaagct ctgagcaaat 240

tgaaacgaca ataactttta actcggatgt ccgattgagt ccgttatata atctagacgc 300

tcgtaattga aaacagaagc tctgagcaat atcaaacgac aataac 346

<210> 18041
<211> 422
<212> DNA

[illegible]

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aattgagagt aaaagataga attttgatga atgaaatgat taaaaaattg agacagtgat 180

cacttattga aaatataatt attaaagatt tgaattgatt aagtgctaga tataaactag 240

tctttaaataa aattataatt ctccatgtaa atgagttgaa caaaattata atctctgtaa 300

atatatttta atgtcaaacc taccaaaatt taaactaacc gctcaataaa tgtaaatttt 360

aaacttaaat taatttattt aattaaaaaa taagtttaac tacatattta ataaattaaa 420

422

tt

<210> 18042
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18042

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gtgtcttact agcttagccc catcttctaa atttattcga tgcatacata tggatgggct 120

aataccagga atgtccacca gggtccaacc tatatccttc ttatgcttct tgagaataga 180

taatagcttc tcttcttgct catcagcaat ggaggcagat ataattactg gaaaactttt 240

gctatcatcc aagtaagcat attttaaatt tgatgacaga ggcttcaatt ctggtgtggg 300

cggctggata gtggtagaaa aggatggttt ctcagcctgt acctcataaa gaaagtcaga 360

ggtatgtgta cttcctgaaa catggttagt tctatctgac tctataaaat caatctcaag 420

aggtaaaaca t 431

<210> 18043
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18043

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agtgaaggga gaaagagaga acgagcacga aattttatgc ctcacatgag gtctgaactt 240

tgaagtctaa tttcaaatga tcagagttga ataatttcac acacaaggcc tctatttata 300

gcttcaatgt cacacaagat tggagagaaa tatgaatctc tattcaaatt tcactcgaa 359

<210> 18044
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18044

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tcgatctagc acgaggagaa ctcatttgca gcatacacaa tcacttagta ttatggtagt 120

tntagaaagg agtggccgcc actgtggttg cggttgcgca ctaattcgaa tatgtttagc 180

ggaagttaac ggtggtggaa taagttagtc gaacgttcca attggaagga gcaacattcc 240

atgcaataat agtctccctg gtggtgtatg aagtgattct gacagaaaga gcttggccac 300

ccagagttgc aaatgcttga taagaagccc cccagttgtg gctcatgcta atccatccac 360

ttctgcttnc tttcacagac atgcttgata tgtctcctcc accttccacg ttcttcacgt 420

ata 423

<210> 18045
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18045

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tttatatttt ataatacatg ttacccaaca gagaaataga aggaaaagag aaaaatatta 120

gacatacatt atgtaatact gttgaaaaaa tttcaatccc gattagctaa aaataatgtt 180

[illegible] 240

[illegible] 300

[illegible] 360

tadaattttat tgaaaattat aaaaatttgt aatgttttatt actttaatct 410

<210> 18046
<211> 382
<212> DNA
<213> Glycine max

<400> 18046

ggattatcag atgtttgtaa tcgattacca gtaacggcac ttcagaaaat actttaaaaa 60

gtcatgaccc ttcaaaatat aactgtgtaa tcgattacca gaaacctgtt atcgattacc 120

ggtgataaaa tttcaaaaat actttttgag agacacatgt cttcaaacta ttttgaaaag 180

gcacgatggg cctatatatg tgtgtgtgtg tgtgtctgac tttaaaaagc aagagagaga 240

tattctatga gaactcaatt ggcaaatgct ctctcaacaa ctctttgggca aacacttaca 300

aatctattga gaattcttct aagatctttta atgtgtatca tctactctaa aagagagaaa 360

tctttctgtt catcttgaac tc 382

<210> 18047
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18047

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caattcttca atgggcttcc ctctgtgtcc cagcatcttg ggatgttccc agccttgat 120

gacagcttcc caaggtctgc tatccaatga tttgaggaag gccaccattc ttgctttcca 180

gtattcatag ttgcttccat cagaaattgg tggtctgttc actggtccgc ctcctttctc 240

catgttgatc aaaaatttat ctcctagatc tcaattctgt gattcgagtg ttggattga 300

taccaattga tattctgata ccagnggaca gatgtcgtac atgatgtcac gacatcacgc 360

ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtta ataacacagg 420

agaattgtta cccagttcg 439

<213> Glycine max

<223> unsure at all n locations
<400> 18048

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ctcttgcaga tgctcatccc acacatcaac cttgtctttc cataattttc tcaagtcttc 180

aatcaacgga gtaagataca catcaatatc attccctgac tgccttggac tcgctatcat 240

catacatagg ataatgtatn ttcacttcat gcacaacgaa ggagggaggt tgtaaatcat 300

cagcaaaaca ggccatgaac tgtggtttgt gcttaagttt ccaaaatgat tcattttgtt 360

tgaagcaaga g 371

<210> 18049
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18049

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ccnctccctc taaanatgtg aattggatag agcttctacc aacttcacat taaatttatt 120

tcnaaccata cacatcaaat attcacttag tgcgtgtgaa attacaaaac taccctaat 180

acaaaaacta gtcttggtgc cctaaaatac aaggactgaa aaatcccata tttctagggt 240

accctaccta cattatggag ccctaaatac aaagaccaaa attaatgaaa ccttaatcta 300

atatgtacaa agataagtgg gctcatactt agcccttggg cccgaaatct atcctaaagc 360

tcgtgagaac cct 373

<210> 18050
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18050

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catgaagatt gtgactcaaa cattattcat tgtgacatta aaccagaaaa cgtgctccta 240

gatgataatt tcagggttaa ggtttctaat tttggtttgg ctaagctcat gaaacgtgaa 300

caaagacatg ttttcacaac acttagaggc actagagggt atcttgcacc tgagtggatc 360

acaaactgtg ccatatcaga gaanaatgat gtttatagct atggtatggt gttgctagag 420

atcattgggg ggaggaaaaa ctatgatcct agtgaaactt c 461

<210> 18051
<211> 342
<212> DNA
<213> Glycine max

<400> 18051

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cggacttccg tgtgataaga tatgaccata tgaatttctc gagagcttcc gctgttcaat 180

ttcaagcttc tcgatatatt atgcacctga atcagactct ccgttgaaaa gttatgacca 240

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gaatcggact ttcgggtgac gagttcgacc atatgaattt ct 342

<210> 18052
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18052

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tgataagtct aatgctattt ctctgagaaa ggatatttta gatgatgttg cataatcttt 120

agattaaatg catattcata gacaagattc taaaggaaaa gggaaaggaa gcaatgaaga 180

tcctccagaa gaagccaaat caaatgatga acttccaaaa gaatggaaag cttcaaaaga 240

<210> 18053
<211> 302
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18053

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cggacatccg tggaaaagat tattgacgct tgaatttgca acgagcttac aatttcaatg 120

tcgagcgtct cgatatatta cgggactcaa tcggacatcc gagtaaaaaa ttattgtcgt 180

ctgatttgct acgagcttcc gttttcattt ggagcgcctc aatatattac gggactctat 240

tggacattcg agtaanaagt tattggccgt tgaatatgct cagaagctca ttctcaattt 300

cg 302

<210> 18054
<211> 430
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18054

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tgaattcttc agtgggcttt ccttctgtgt ccagcatctt gggatgttcc cagcctttga 120

tgacagcttt ccaggttctg ctatccagtg atttgaggaa ggccaccatt cttgctttcc 180

aatattcata gntgcttcca ttcgagaatg gtggtctgtt cactggtccg ccttctttct 240

ccatgttcat cagaatntat ctccctagat ctcactctgt gatttcgagt gttggctctg 300

ataccaattg aaattctgat accaagggac agatgtcgta cgggatgtca cgacatcacg 360

cttcagaaca tgcagattgt atgtgtccgt ntgaaccagt ataacaagta aataacacaa 420

gagaattggt 430

<210> [illegible]

taagtcaata tcttttatct gtcttattca tgcacatgcc tatattctga [illegible]

atcttaggta ctataacata actattctgt atacggctct ttgtattgct aatgctatat 120

atgctacatc atattttgat aaataaatac ttttaggtag tataagatca tagtttgaat 180

cgtaatgtta tatggacatt agatttacgt tatatgataa attacgaata cttttacata 240

ctttaaggtt taattttata tggtacatta agaatatctt taatttttgat atgatacata 300

agcctacttg aaatttcct 319

<210> 18056
<211> 342
<212> DNA
<213> Glycine max

<400> 18056

agcttcaaca ttgtatttcg agcgtctcga tatattacgg gcctcaatca gacatccgag 60

taaaaagtta ttgttgtttg aatttgctca gagcttcaac attcaattcc gagcgtctcg 120

atatatgacg ggactcaatc agacatccga gtaaaaagtc gttgtcgttt gaattggctc 180

agagcttcaa cattcaattt cgagcgtctc gatatgtgac gagagtcaat cagacatcca 240

agtaaaaagt tattgtcgtt tgaatgggct cagagcttca acattcaatt tcgagcatct 300

cgatatgtga cggggctgaa tcagacattc gagtaaaaag tt 342

<210> 18057
<211> 428
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18057

gagccaattc anatgacaat gactntntac tcggatgtct gattgatgcc cgtaatatat 60

cgagacgctc gaaattgaat gtggaagctc tgagccattt caaacgacaa taacttttta 120

ctcggatgtc taattgacgc ccgtaatata tcgacacgct cgaaattgaa tgttgaagct 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

atatcgag 428

<210> 18058
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18058

naagctacat atttgtctgt tggaagaaag ccatggatgc tgagagtaca gctcttgaag 60

taaataaaac ttggactgct gaggatcttc catgtggaaa ggttccaatt agttgcaaat 120

gggtatataa aatcaagtat catgccaatg gcacaaatag aaatgtacaa cgccaggctt 180

gtggccaaag gttacactca gatggagggt gtatactact ttgacacttt ttcccctata 240

gccaagatga ctacagttcg tgtgttacta actgtcgctg ctgataagag tcggcatctt 300

gacaacttga tgtcacaatg ctgtcttgca tggaacttga atatgaagtt atatgctctt 360

ctcctggtat gatcttctac tcttcagtat cgaattaaca ttccttattg ggtgaccaac 420

taccgtcatg 430

<210> 18059
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18059

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attcaggatg atttgattta nggatcaggg ccatgaacga agcattgctg ccncnatgaa 120

agcttccatg gcagtggaac tcatccacaa atctcctgaa tttacgtctc agaatctttcc 180

aaaaagcctt aataaagttg aaattaatac catcgggacc tcggcatcta tcaccaccac 240

aactccaaac agcatctttta atctctcgat cagataaagg cgcaatgagt ccctctctct 300

gattgtcatc aatcgag

<210> Glycine max

<400> 18060

agctttgat taatttatat ggtcataaat agtcactcgg aggtccgatt catgcacata 60

atttatcgag acgctctaaa ttgaacaacg gaagctctca gaaaatttaa atgctcataa 120

cttttaactc ggaggtccga ttcacgcgga tgatatatcg agacgctcca atttgaacaa 180

tggaagcttt tgaacaattc aaatggtcat atattgtcac tcggaggccc gaaactagcg 240

cataatatct cgagacgctc aaagagaaca aacggaagct ct 282

<210> 18061
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18061

tcgtgaccag cgatgtttcg gttatgtgca cgaaggagag atagaagaca gtgaatggng 60

atgacattng gtgggccttg gcaacactaa gctttgatga ctatgctgaa ccaatgagaa 120

ggtatttgca tagatataaa gaggttgagg tagaccataa taataaggtc aatcttcaag 180

atagagagaa taatagtcct gaagagaacg acgatgaagt atttcaattg agtaatagag 240

aggttaaggt ttgatgacca attattatgc ttagtgtgaa gtagtaatta attaaggctt 300

gtttanggtt gacattactt ttcttgtata ctttttttgt ctaaattgaa ttgattuagc 360

ctgcctagaa caagaattct tggtttgctt tctttctttc tcttcttctt ctntatactt 420

atatact 427

<210> 18062
<211> 299

<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18062

[illegible]

[illegible]

[illegible]

tgaaacttcat taagatnttg ggaaaaattca attggaccaa [illegible] 240

tccttcaaag aaaaaatgaa catgtacata aatgatgtat tatataaaac aaacattat 299

<210> 18063
<211> 298
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18063

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gaacccccatg aatgtcattg cctagcgcta ttcatgtgtc ctccaccttc gagtctggag 120

ccccacgaat gtcattgcct agcactgttc gctaattctc cattcttcac ttttattcgg 180

agccccatga atgtcattgc ctagcgctgt tcatgtgtcc tccaccttca agtttggagc 240

tatgcttcat tattgcctaa gtgtggaccc tctagtgcaa tcctccattc ttcacttt 298

<210> 18064
<211> 440
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18064

tgatcttgta ggccactgcc cctgatgtca gctccattgg ttcttgttta cctaggatct 60

ttccatcaa tggattcctt tgctttttgg aagatgaatg acaacgtaat ggagaagcaa 120

gagagagagg agacgccact tcaaggaaaa gtgagtctag aagaagctca ccaccataag 180

aggccatgga tdagagctta gaggaagaag gagatgaatg aagggagagg aagagaagag 240

cacgaaattt tgtgctctaa aagagctctg aaatctgaag ttiaatattc aaatgatcaa 300

agttgaaaaa aatgcacaca catgacctct atttatagcc taagtgtcac acaaaattgg 360

agggaaattt gatntcaatt caaattcact tgaatttgaa ttgaantgtg gagccaactt 420

tggatcaaat ttactaatat 440

<210> [illegible]
<211> [illegible]
<212> [illegible]
<213> Glycine max

<220> unsure at all n locations
<400> 18065

agttttttact ttttatntcg agctttncga tatatgacgg gactcaatcg gacatccgag 60

taacaagtta ttgtagtttg aattagctca cggcttcggt attccatttc gagcgtctcg 120

atatattact ggactcaatc ggacatcaga gtaaaaagtt attggcgttt gaatttgctc 180

agagcttcga gattccattt cgagcatctc gatatatgac gggactcaat cagacatccg 240

agtnaaaagt taatgtagtt caaatttgct cagggcttcg gaattccatt ccagagcgtc 300

tcgatgtctt acgggactca atcagacatc cga 333

<210> 18066
<211> 281
<212> DNA
<213> Glycine max

<400> 18066

ttgagcaaat gcacacgaca ataactcttt actatgatgt ttgattgagt cctgcaatat 60

atcgggacgc tcgaaatgga ataccgaagc tctgaacaaa tttaagcgac gataaccgtt 120

ttactcggat gtctgattgg gacccgtaat atatcaagat gctagaaatc gaatagggaa 180

gcgttgatca aattcaaaca gacaaggact ttttactcgg atgtgcaatt gagactcgca 240

aatattcgag acgctcgaaa tggaatattg aacctctgag c 281

<210> 18067
<211> 442
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18067

ttcttatgct tatttcagcc tatcgccctt agactaatgg ctagattgaa cggaccattc 60

agtcgctgga ggaccgtttg agggcatgtg tcttagaaca aaagaggagt tgggagagtt 120

aaagactact caaagtaggc agaaaaacta tcaggctgct caagaataac tgagaaggtc 180

[illegible] 240

[illegible] 300

[illegible] 360

atattctcaa atgagtcgat cctacggcat [illegible] 420

atcttgacaa tatctattat gt 442

<210> 18068
<211> 319
<212> DNA
<213> Glycine max

<400> 18068

ttattttata tccaatatat cctctaaatt attatattaa aaattttatat attattaatc 60

aaagagattt gaacattaat caaataagtt aatttaaaat atagaattgt ctttaatgga 120

ataaataaga acaaaattga tttaaacgaa aaacttatct caaatacgtg aatgttatta 180

ttgaaacttt aaatattatt taatatttga aaataatttt atcaattaat ggttaaacat 240

gattcgagaa tgtaatatgt acttattata cttcattctt ataagtggtg attacatgat 300

ttaaaatatg aggttatcc 319

<210> 18069
<211> 289
<212> DNA
<213> Glycine max

<400> 18069

tgtagggtta aagtcttacg attttcacgt gctcatgcaa ctattgtgag ccggggctat 60

atgagacatg gtgccaaaca aagtcaggtt aacgataact cgcctgtgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatctagt catgtttgat gagttggaaa atgaggccgc 180

aatttatactg tgccagacgg agatgtaatc tccccctgcc ttctatgaca tcatgattca 240

cttgattgcg catctggaca gagaatcaca tgttgtggtt ctgtttatc 289

<210> 18070
<211> 373
<212> DNA
<213> Glycine max

<400> 18070

[illegible]

gtatagcaat ggcaccaaaa agaattaggt tcttctcaat ctcatcttgat acttcttcaa 180

tcattatatc ctgatcagca ctgactacat tcttggccct agagaatttta ctatcaaact 240

cctgtattc ttctgcatca agttcacgat aggccagtat aaagtttctc agacccgcat 300

cacatactc atgcacatgc tccatggttt tctcttcaaa ctcccttcta ttcttggcaa 360

gcttttcaaa cat 373

<210> 18071
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18071

ttctntacta tgcaaggaat aaccaaggaa aattccttca tctgacttag catcaaactt 60

tcctaagttt tcttttccat tgtttaatac aaaacactcg caaccaaaaa catgaagatg 120

cgagatgttt ggtttcctaa cattgaacag ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctattcatga tatagcatgc agtattaacg gcttcagccc aaaaatattn 240

tggaagaaga gtatcattta ataaagttct agcaatntct ttcaaagaac tatntttcct 300

ttcaacaact ccattntgtt gaggggttct aggtgcagaa aagttatgtt cagtgtcatg 360

gttatcacan aataaatcaa attatttatt ttcaaaatca ccccatgatc anctctaata 420

<210> 18072
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18072

tctttacttg tatgccganc aagcgctaat atatggagac cttgatattg aataacacaa 60

ctctcgagaa attcaatggc ataacttttc acacggatgt ccgattctgg cgcataatat 120

gtcgagacgc tcgaaattga acaacggaag ctctcgagac attctaatgg tcataacttt 180

tcaattcgaa gatccaatca ttccgatcat atatccagac gctcaaaatt gacaaacaca 240

[illegible] 300

[illegible] 370

<210> 18073
<211> 370
<212> DNA
<213> Glycine max

<400> 18073

ccnaccatat tttcatagta taacactggt aatgtgtcta ttattattgt gatcatctct 60

ttctcctcat ggaacgtacc acttgagctg ccaagtctct ccacctttgg gcgtattctt 120

tgaaagataa gtgccccttt atgcacatgt tctataagtg catactatcc ggagccatat 180

taaaattatg ctgatactgc ctaacatagg aaaccattag atccttccat gaatggactc 240

aggaaggatc caagttagtg taccatgtaa caactacccc agtaatactt tcttggaaga 300

tatgtatcaa tagatcctca tcttttttcgt atgcccgcgt ctttcgacaa tacatcttta 360

gatggttctt 370

<210> 18074
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18074

taagctntga gcatattcta acgacaataa ctgtataatc ggatgtcctt attttgtccc 60

tgattatatc aaactgctcc aaattgaaga tggaagctca gtacaaattt aaacgagaat 120

aactttttac tcaaatgtgc aattgagtca cgtaatatat cgagacgctc tatattgaaa 180

acggatgctc atatcatatg tgaaccgtga taacttttaa ctcggatgag cgattgagtc 240

ctgcgatata ttgagacgct caatattgaa cacaaaggct ctgcgcagat gctaacaaca 300

atatcttttt actcagatgt ccgattgagt acttgaatat gttgaaaccc tcgaaattga 360

[illegible]

aaacaaacgc tcctagaaaa ttcaaacgaa taacgtttta ctcacatgtt cgactgattc 420

ccgtatatat cagacgctct aaattgaaac gaagctc 457

<400> 18075

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actgaggatg gttaactttg gggataagag ccaagacaga ggcattgctg cctctatgga 120

aacaaccgtt gacatggaac tcatccacaa atcttctgaa ctctggtttt agcacactcc 180

acaattcctt aataaaattg aaattaaaac cgtccggccc atggcactta tcttcaccac 240

aactccacac tgcttgctta agctcctggt ctgagaaagg taaaattaaa ccctccctct 300

gcctttgatc aagagaatgg aattgaactc catcaatggt aggcctacag ggatttctgct 360

caaataatct gttgagaaag atagtcacag cgcctatctt cacctcctct ggttgctgga 420

cccacag 427

<210> 18076
<211> 391
<212> DNA
<213> Glycine max

<400> 18076

agcttatatg atattcaaat ggtcataact tttgactcgg atgttcgatt caagcgcata 60

atatatcaag acgctcgaaa ttgaacaacg gaagcattaa agaaatccat atggtcataa 120

cttttcacac ggaggtcaga ttcatgcgca taatatatag agacgctaat aattgaacaa 180

cggaagcctt cgtgatatgc aaattggcat aacttttaac tcggatgtca gattcaggcg 240

cataatatat cgagacgctc gaaattgaac aacggaagct cttctagaaat ataaatggtc 300

atatcttatta actcggatgt gtgattcagg cgcataatct atagagacct ctaaattaac 360

aatggagctc ttggcaatca aatgtcataa c 391

<210> 18077

<211> 339
<212> DNA
<213> Glycine max

<400> 18077

aataacttta actcagaaac tttatcaaat acaaatggca ataacatttt attaaaatat

ctcgaaattg aagacagaag ctagtactaa attccaacga caatcatatt ttattcagat

gtccgatgga gtactctaat atatctagac tcttgagatt gtcaccgaag ctctgagcaa 300

attcatacga acaatactgt attttcgaat gtccaatgg 339

<210> 18078
<211> 363
<212> DNA
<213> Glycine max

<400> 18078

atcttctata ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatattaa gaaggggggg ttgaattaag atatcccaaa ctatttccc aattaaaaaa 120

ttatttcact ttcttttcaa gttatagatt cccttaacaa tgaacttctt aaatattaat 180

tcaaatcaaa caatttgaat atgaatgtaa agcgataata aacaaaggag attaagggaa 240

gagaaagtgc aaactcagat ttatactggt tcggccacac ccttgtgcct acgtccagtc 300

cccaagcaac ccgctggaga gttccactat cttgtaaatt ccttttacaa gttctaaaca 360

cac 363

<210> 18079
<211> 367
<212> DNA
<213> Glycine max

<400> 18079

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ttcagtcgtt ggaggacctt ttaaaagcat gtgtcttaga gtagaaggga agttgggaga 120

gttttgttcc attgatagag ttcacttata atgacagtta tcattctacc attggcatgg 180

ctcgctatga agctttgtat ggtagaaggt gtaggacacc cctatgttgg tcaaagcccg 240

gagaatgcct caccttatga ccagaagtgg tacaacaaac cactgagaaa gttaagttaa 300

ttcacgaaag gatgagaacc gctcagagta cgcaggatag ttatcatgat aagaggagga 360

atgatttaaa atccaaagtt gtaatca 387

<210> 465
<211> Glycine max

<223> unsure at all n locations
<400> 18080

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cttgtaacct ttgggaaatt ccatataaac ttcttcaaac aaatctccat tctaaaaggc 120

attattaaca tctaattgga gaatgcacca atttctagta gcatcaacac aaagtaaaac 180

tgtcacagtt gtaagcttgg ccactggaga aaaagtgatg tatctccatg tggaacttgt 240

aagccttgaa tcttctttat caatggagtc ctttacttct tgaatatcaa tggccgcgga 300

atggagaacg aagaaagatg attggaga 328

<210> 18081
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18081

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taatgagtnt atgagcaagt caggattcaa cagatgtgac atggaccatt gttgctacgt 120

taagatatat actaatagct atgttatcct tgtcgtgtat gttgatgaca tgttgatggc 180

aggatctagt atggcagaaa ttaacaggtt gaagcaacag ttggcagaaa acttttggta 240

tgagaattct tagaaacata tcagaaggaa ttatgaagct gcctcatgag aaatatatac 300

acaagttact tgacaggtta taccttgaag attctaagac tangaatacc cctttgggat 360

ctcatttgga agtttcaaag aagcaatctt tgtaggacaga tgaagaaaaa tgctacatgg 420

ttaagaatacc atatgcatca tcagttgaca gtttgatgtc cgttat 466

<210> 18082
<211> 425
<212> DNA
<213> Glycine max

<400> [illegible]

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tacctataac ttaggctcta atagctttta atggcacaaa agtaagggaa aatccagata 240

atttaagggt ccatttccct attctattgt gcaaaataga ttaagacaac atanatttaa 300

tancattgtt atgagagagt acttgaacat tgaaagattc tatataatac ttnaagttag 360

tatcaagaata atacaagtgt aagcacagtt nntttattgc actatatcta atnttgacat 420

catta 425

<210> 18083
<211> 414
<212> DNA
<213> Glycine max

<400> 18083

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ttttcacggt gtgaccatgc tgtgccagga tggtatgcta tgaatgcatc agtgacatcc 120

tggccagcac ggtctgagat tggaacatca ccaccagggt gctccttgac ccaatctgag 180

acattgtaca ccttacctcg aattgagatc cataaatctc cctccttggt gtgacccttc 240

agctcctctg aggttatgta cttcttctcc ttctcaacaa cctccattgc ttgtgttaac 300

caaaaacaac acaaatcact gaaatcatac acaatgagaa ctacaataag aagatatata 360

gaatatagac agattgatcg atacgaacaa taatggcgta tctgggtctt ctgc 414

<210> 18084
<211> 337
<212> DNA
<213> Glycine max

<400> 18084

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tacaactctc gtaaatggga gagaaatgtt catctatagc atacaagtcc ctaatgtcat 120

caaatcctat aattagagct cctacagagc aaaaaaatgt gtgtctctta gagagggcat 180

<210> 18085
<211> 386
<212> DNA
<213> Glycine max

<400> 18085

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attggtgaga ttaaaaatgt agttttcatt atgagtagct ctagttcccc tatccctgat 120

ggtttcagag gccacttcta ccacaggtac taggaaatta tctcaaaggt tgtctataat 180

tctgtccttc aactttattc ataagaattg gcttctcctt ggatttaaat caaacatttt 240

ttgcctttat tcctaaattt ccataagacg atagaataga aaacttcaga cccactgctc 300

tgggtaattc ccaatctaag attatctcta aaatcgtcac aagtagattg gcctaaatta 360

ctcctaagct gatgtttaat aaccaa 386

<210> 18086
<211> 419
<212> DNA
<213> Glycine max

<400> 18086

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gtaccaatct tacccacaaa ggtcctccaa aagtgactaa tgaattttgc atccctatca 180

ctgacaatgc tcctcggtaa tccatgaagc cgcactattt ctttgaaaaa caaatcagcc 240

atatgacaag cgtcatccac tttcttgcaa gggatgaagt gtgccatctt atataaacctg 300

tcaacaacaa caaacacaga atcctttcca ttcttggttt tgggcagccc caaaacaaag 360

tccatagata tgtcagtcca aggatattca ggaacaggca aaggagtata caatccatg 419

<210> 18087
<211> 449
<212> DNA
<213> [illegible]

[illegible]

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caaatttta trgaggcaat agacttaaac atttgggaag ccatagaagt tagacctat 180

gtacccacca tggtggctgg aaatacaaca atagagaaac ctatacaaga gtggtatgaa 240

gatgaaagaa gattattgca gtaccaatta taggctaaaa acatcattac ttctgcccta 300

ggaatggatg gatattttag ggtttcaaat tgtaagagtg ctaagaatat gtgggacact 360

ctacaagtta cacatgaagg aacaactgat gtcaaacgat ctaggataaa tactttaact 420

catgagtatg aactattatg atgagaaca 449

<210> 18088
<211> 395
<212> DNA
<213> Glycine max

<400> 18088

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gcagtgtaat cgattaccat aagacaattt tgaaaaatag ctgtctaaca ggattatgaa 120

tttgaattat gaccctgtaa tcaattgatg tttgttatcg attaccagca acagaactct 180

tgaaattcaa attcaaaagt catgaccctt cataatataa ccgtgttatc gattaccaga 240

aacctgtaat cgattactag tgaaataatc agaacaagct ttatgaatag acacatctct 300

tctaaccatc ttgaaaaagc acaaagggcc tatatgtatg tgtgtctggt ttcataaagc 360

aagaggagga tattccaaga gaacttcatt gtcaa 395

<210> 18089
<211> 447
<212> DNA
<213> Glycine max

<400> 18089

aagcttacat acattatctt caaagatcgg aattcaacta atttcctccg atgcttctaa 60

ctctgaaaat atctatgttt gacactaagg ataaagttat atactaataa tgataatatg 120

[illegible] 360

cgaatggatac aataaattttt atctcatatt tactctcttt aatgttctct atcgctttta 360

cgaatataca tattatatct ataaatttgg ttctttatta tatttatttc tctctatccc 420

tatcttttcat ccaccattga ccctaat 447

<210> 18090
<211> 420
<212> DNA
<213> Glycine max

<400> 18090

agctttgctt attattaaga tgataaaaaa tttcgatgag ggtggaaaag ttcaaagcaa 60

gatacaatgg cacattcagt gactgaggca gagtatatag cgacaagtta agccgctgaa 120

gaagttgatt ggatgaacag ttcatctctg aacttggtga gctaccttca ataggaggac 180

cgattccact attgtgtgac aatatggagc tatcgtttaa gcaaataacc aagattacac 240

cataagacca aacatatttt atgaacgtat cacttgatta gagagatcat tgaacgtggg 300

gacatttaga ttgaaaaggt ggatataaaa gagaatgcaa catatccatt caccaaggca 360

ctttgcataa aagaatttat caagcacaag gtggaagtta tgatgaagtc atgagtaatt 420

<210> 18091
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18091

agattgtgtt ctatgtctca aaacccacat tagaagtaag acttatacca tattcacccg 60

acaactcaat ttttgtagaca ttatcattgt tcttgaccag tacttgaaaa ggaccatctc 120

cttttggcat aagtcttgtg aagggaaacg tttctttcct aaaatgcacc catacctagt 180

cacctggttc aaatgttact ttttttctta ctttgtgttc atactatcga tacacttcta 240

tttttnttct ctcaatttgg gcattgactt tctcatgcaa cttcttgaca tatgctgctt 300

[illegible] 360

<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18092

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acanaataaa ctgtcatatg gattntagtc acagcccaac gattcactac cttgaactaa 120

catccatata agacacaaac tgcaccctct gaacacacat gatcttaacc ctaacaatct 180

acattgagca agcttaagca gtgatcaaac ttgctctttg gaactggctt tgtaaacata 240

ttagcaggat tgtgcagagt gataatctta tgaactttga ttcttctttc tgaccgaatg 300

aagtgatatc taacatctat atgcttggtt ctatcatgat gaacctaatc cttggccaag 360

catatagcac taaggctgtc acagtagatg ttagcatatt cttgattaat ttcgagatca 420

tctatcagac ctctca 436

<210> 18093
<211> 429
<212> DNA
<213> Glycine max

<400> 18093

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agagagggtg acaaagatac gaaattggga tcacaaatct ttgagaccca actccaccag 120

cttcttctgt ctcttcttcc acttgaacag cgagccaacc cttcttcacc ttcatcttct 180

ttcttgccta ctgagagata gagcaaagca aaggaaccgt attattatag ctgctgagtc 240

acaatggtac ataatgtggt ttcttgcttt tatatagaaa agatatatat atatatatta 300

aatgggattta taaatttgta ataaaaataa ataaaaggga taataacttg atgctgatgg 360

tgttgtgtac gtgattcgga atcaaaatag tggggaaggc aagggacagt gccgtcccat 420

tccgtaact 429

<210> 18094
<211> [illegible]
<212> [illegible]
<213> [illegible]

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gtgatcaaga tgttagaatt aatgtcttat gtgagagaca tgtgggacta ataaataaat 120

aattaataat taaggactaa attgtaattg ggttaattat gagaagtggt tataaaaggg 180

gttaatatcc actaacgtga aataaagttc ttttcctgac agaaaaatgt tctctctcac 240

catagttatc acgaaacgag agaggcaaaa aagaaaggtc taaggaagtg aaatcttatt 300

tatctcatct ttcaaggaaa tctaagtaca tcggagaaaa gtcttcctat gaagaaaggt 360

acacattatt atctatttgt ttattgatta tttgtgagaa tcataggttt caagatcttg 420

ttatttccta taatta 436

<210> 18095
<211> 426
<212> DNA
<213> Glycine max

<400> 18095

tttgacggac tataccaagc tctatgtaac ttgggtctga gaaagatcta tatataggct 60

tgctaagggt agagagagga agactagaga tttggatcaa gtaaagtgtg ttaaggatga 120

agaaggcaaa gtcttagtgc atgaaaaaga tatcaaggaa aggtggaagg cgtatttcca 180

caacttattt aatgatggat atggatatga ctctagcagt ctagacacat gagaagagga 240

ccggaactat aagtactatc gtcggattca gaaacaggaa gtaaaggaag cgttgaaaag 300

aatagagtaat ggtaaggcgg tggggccaga caacatacct attgaagtgt ggaaaactct 360

tggagataga ggtcttgagt ggctcaccga actctttaac gaaattatga ggtcaaaacg 420

caatcc 426

<210> 18096
<211> 380
<212> DNA
<213> Glycine max

<400> 18096

[illegible]

tagaacttca taaaaaatgc cttttgaaaa taagtagcat gcacctttca aatcaacttg 240

aaatcagaac aagtcacaca aatgggagct tttacctcaa gaaattttgaa gtcaggttta 300

atggtacaac agatgccttc ttgtgtcaat aaagaacgaa ttacaagtga aaacctttct 360

gggattcgaa tgggataatc 380

<210> 18097
<211> 433
<212> DNA
<213> Glycine max

<400> 18097

tgctttctat acccgcttca gcaaatgtca ttttatttcc cttcaccacc caatagacat 60

gatgctcaat ctccattgga agatgacatg ccttaccaaa aaccaccttа tagggagaca 120

tccccaaagg tgttcggtaa gcggtcatgt gggctcatag agcatcctca tgtagcttgc 180

tccaatcctt cctattgggt tgcattacct tctacaacac ttgcttgatc tctttattaa 240

aaacctttga ttgcccatta gttcaaggat aataagctgt agcaactcta tccacaacct 300

catacttctg gagcaaggat gccaatgacc tgttacagaa gtggctcccc tggtcactga 360

taatggctct agacacacca aacctactaa aaatgttaga tctcacaaaa tccacaacaa 420

gtttagaatc att 433

<210> 18098
<211> 390
<212> DNA
<213> Glycine max

<400> 18098

[illegible]

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acaactcccc accctcacac aactccatga cgaggtgcac cgccgaggaa tcctcgtacg 180

tcccttcgat gcggacaacg tgccgcgtgc ccgacaagtg gtgcattatc tgaatctccc 240

tgaattcgcc cccaaccctc tacgtctcac

<210> 18099
<211> 430
<212> DNA
<213> Glycine max

<400> 18099

tctaaacttt atacaagaat gaagctctgt taccatttgt tggacaagtg gcctcagata 60

tcttaagaag gggggcttga attaagatat tacaaattat ttccccaatt aaaaatttcta 120

tttaactttc tattcaagtt ataaattccc ttaataatga atttcttaaa tattgattca 180

aatagaaaaa tttgaatatg aatataagac aataataaat aaaggagttt aagggaagag 240

aaagtgcaaa ctcagattta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaacccg cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacacac 360

aaggacaatc tttcctttgt gtttagaatt ctttcacaac aagagaccct cggtctctta 420

atcccttttc 430

<210> 18100
<211> 376
<212> DNA
<213> Glycine max

<400> 18100

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tggtgggctc atggaccact ttgggataga caagaccctt gccttactca aagaaaagct 120

ttattggccc catatgaaga aagatgtcca taagcagtgc actaggcgtg tgacttgttt 180

acaaaccaag tctagggtga tgtcttcatg gctatacaca ccattaccca tcccatctgc 240

agcttgggta gacattatta tggacttttt gttttggctt cctaaaaccc acaagaggtt 300

aaactctatc tttgtggtgg cggataggtc tagcaagatg gcacactcta taccatgcca 360

cgaggtggat gatgct 376

<210> [illegible]
[illegible] [illegible]
[illegible] [illegible]
<223> unsure at all n locations
<400> 18101

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atatactaat agttatgtta tctttgtcgt gtatgttgat gacatgttga ttgtaggatc 180

tagtatggca gaaattaaca agttgaagca gcagttggca gaaaactttg aaatgaagga 240

tcttggtcca gctaaacaaa tccttggtat gagaattctt agaaacagat cagaaggaat 300

cttgaagctg tctcaggaga aatatataca caaatggctt gacaggtttt accttggaga 360

ttctaagacc aggaataccc ctttgggatc tcattngatg ttttcaaaga agcaatcttt 420

gcatacagat g 431

<210> 18102
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18102

ntgaaaaata cctgtgcttc cgtaaacttt atttttttat gtgatgcaag cccagccaaa 60

tcatgctcca tgtattcgaa aacaaggtat aagctgcaag acatccttga tgtaacaagg 120

cctccagtt ttatgacatt tggatgatca agcctacgta gaatgtgaat ttcccttgcc 180

atgaagcgaa cactctctgg ctcaagatta tcaaacctga ctttttttcaa agcaacaatt 240

ttattttgct caagatcacg agccctataa acattactat aagttccctg tccaatctga 300

aaaataagga ggaaaatctt accattcaag gaaaactaaa acaggctgaa gacaatatca 360

tcattaaatt gcaatccaaa acaaaaaaaa acaaaaagga tatctataaa tctagaaact 420

ac 422

<210> 18103
<211> 426
<212> DNA
<213> Glycine max

aaagatacat ctaatgatac ccataattat [illegible] ctcaagcttgg acatataaa 120

ttatatgcac caagcttgga acatataaac tgaattctag gccccttaa ggatttagtc 180

aaaatatctg ctggctgatc attggaatta atgaattcag tgacaatctc tttagacagt 240

agcttctccc gaataaagtg acagtcaatc tctgtgtgct tggttctctc atggaagact 300

ggatttgaag caatatgaag agcagcctga ttatcacaat acagcttcat ttgcatcact 360

ttgcagaatt tcaactcttc aagaatttgt ttgacccaca taagttcaca tgtaactaca 420

gccata 426

<210> 18104
<211> 421
<212> DNA
<213> Glycine max

<400> 18104

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acgacacatc ttgccaaaca aagttaggtt cacgataact cgcctgtgct ttttcttcta 120

tgctatatgt agcaaagtga ttgatatagt aatgtttgat gagttggaaa atgaggccgc 180

aattatattg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgctgtggt cctgtttatc tatggtggat 300

gtaccccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcgtcc 360

agaagcatct attgttgaga ggtacattgc agaagaaagc cattgaattt gttcagaata 420

c 421

<210> 18105
<211> 421
<212> DNA

<213> Glycine max

<400> 18105

tggatttact tttagtaggg aatctatctt tcctatgatg gagaaaagaa gttttgttcc 60

[illegible] 120

[illegible]

[illegible]

caccacaaag atagagtcta cacctcttcg gatttctaga agcccaggga caaaatccat

actaatgtct acccaaggtg caaaggggat gggtaagggt gtgtatagcc catgaggcat 360

cacactagac ttggcttgta aacaagccac acacctagtg caatgcttat ggacatcttt 420

421

c

<210> 18106
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18106

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aatttctcca ctgtattccg tgtgacaagt gatgaccatt ttaatttctc gatagcattc 120

gttgttcaat ttcgagcgtc tcgatatatt atgcgcttga atcggacttc cgtgtgacaa 180

gttatgacca tttgaatttc tcgagggctt ccgtttttca atttcaagct tcgagatata 240

ttatgcgcct gaatcatact tccgtttcaa aagctatggc catatgaatt tctcgagagc 300

aattcgtgct caatttcgag cgtctcgata tattctgcgc gttaatcgga ctttcgtgtg 360

acaagntatg a 371

<210> 18107
<211> 418
<212> DNA
<213> Glycine max

<400> 18107

[illegible] 60

[illegible] 120

[illegible]

<210>

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agcttctcga tatattatgt ggctgaatcg gacttccgtg tgacaagtta tgaccatttg 240

aattttctcgg gagctttgga tgttcaattt cgagcatctc gatatattat gccccctgaat 300

<210> 18108
<211> 390
<212> DNA
<213> Glycine max

<400> 18108

agcaattgag caattgaaat gtgtcataac ttttcacttg gaggtccgat tcatgcgcat 60

aattatatcga gacgctcgaa attgaacaac ggaagctctc gagaaattca aatggtcata 120

actttcaat tgggggtcag attcaggcgc ataatatatc gagaagcttg aaattgaaca 180

acggaagctc tcgtgaaatt caaatggtca taacttttaa ctcggaggtc caattcaggc 240

gcataatata tcgagacgct agaaattgaa caatggaagc tcttgagcaa ttgaaatggt 300

cataactttt cactcagatg tccgattcag gcgcataata catcgagacg ctcgaaactg 360

aacaatggaa gctcttaagc aattcaaatg 390

<210> 18109
<211> 435
<212> DNA
<213> Glycine max

<400> 18109

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aacaagccaa caaaggaaga aagaaggttg tcttcgaacc cggagatcgg gtttgggtgc 120

acatgagaaa agaaaggttt ccggaacaga ggaaatcaaa gcttcaacca aggggagatg 180

gaccatttca agtgcttgaa agaatcaata acaatgctta caaagttgag ctgcccggtg 240

agtataatgt tagttccacc ttcaatgtct ctgatttatc tcttttttgat gcagatgggag 300

aattcgattt gaggacaaat ccttctcaag agggagagaa tgatgaggac atgttcaaaa 360

gcaagggcaa ggatccactt gaagggcttg gaggaccttat gacaagggct agagccaagga 420

aagtcaagga agctc

<210> 18110
<211> 372
<212> DNA
<213> Glycine max

<400> 18110

aattacaaga cttgccaatt tctaaaagct tcaatgtagt gttcattct tctgccttgt 120

ttaccaataa cacaaattaa aatcactaag taaccatgtg cacctgataa tcagataatg 180

cattatatga tggattacag gaatcacccc aacgcccgtg tgggtattga tcccatccta 240

ttgtccttga tatgtagctc tctggacgat ttgcactatg atagttgcat atagaacgta 300

agaaatcctt cagacagata cttccttttt atattttgga acacgacata ccaattgcaa 360

agaacatacc aa 372

<210> 18111
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18111

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gggctccttc tcgggatcca gcgtgcacac gaagatgtca agccccggca gcttctcatc 120

cctcggcagc ttctccgtca tgacgctccg cgacaccggc cgccaccgga aggcttggct 180

gaagaaccag agcaccgaga gaagaagctc cgctacggtc atcagaagcc atggcgctgt 240

tggaggttcc agtaacaagt gagttatgcg gtagtaacac agcgacaaca ctgccactaa 300

ctggatcagc atgtgaagtc tgctcagtgc caaccatgat tgaacccgtt caacgcggta 360

tgtgaacatt ggctatctta tgttctcctc gaatttctat atat 404

<210> 18112
<211> 379
<212> DNA
<213> Glycine max

<400> 18112

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taataatgat ctttcaagca acagatgcaa tccaggttgg aggaatcatc caaatatgag 120

atggcaaat aaatcatatg ttaatcctcc aatgcaacaa taacaaaaac aacaagcaac [illegible]

[illegible]

gctactcagt tgaaccaagc tcagtccaaa aattctgaca aattgcctta acagaatgta [illegible]

cagaatccga aaaatgtga 379

<210> 18113
<211> 345
<212> DNA
<213> Glycine max

<400> 18113

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tcaaatgatt ttttaatagc catcaaaagt ctatttatat atgacttaga acacaaattt 120

gcttagagtt tttcagaaca aaaaggtctt attctctcaa aagcaaaatc atcttatcct 180

cttagaaatt ccttggccaa tacgcttgca attcaataag aaattattag agcgctcaat 240

tgttcaatct atctctttca agagatattt cttcttctct tcatcttatt tcaaaaaagg 300

gattaagaga ccgagggtct cttgttgtaa agcaatatga acaca 345

<210> 18114
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18114

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tgctttgctg atggcttctt accgttccaa gcttcaattg ggttcttgtc ttttatagac 120

ttagttggac atctgttgag tatgtaaata gcagtgtaga ctgtttcatc ccataatatg 180

ttaagtaatc cctttctctt gagcatcgat ctagccattt ccataactgt gcgattcttt 240

ctctcggaca ctccattgtg ttgaggaaaa tatgccactg taagttgtca ctcaatgcct 300

tcatcctcac aaaatctttc aaactcgcga gaggtgtact ctntgccgtg atcacttctt 360

agtactttta tccgttttcc ac 382

<210> 18115
<211> 1411
<212> DNA
<213> Glycine max

taataagagg catgctaagt gggtagagtt tttagtgcaa tttccatatg tcatcaaaca 60

taaaaagggg aaagggaatg tagtggctga tgcactgtct aggagacatg ctttacttgc 120

tatgcttgaa actaaactgt ttggtctcga gtcttttgaaa gacatgtatg tgcatgatgt 180

ggactttgct gaaatttttg ctgcatgtga aaagttttct gaaaatggtt actataggca 240

taatggattc ttgtttaaag caaataaatt gtgtgtgcct aagtgttcca ttagagagtt 300

gcttgtgagt gaatcacatg agggggggtt gatg 334

<210> 18116
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18116

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tcaggatttg tggtgcttgc aataatgatt ttaacccagg cattatgtac atgtacatct 120

tggattcctt cacttacaag atgctccaag aattgagtan caagcggaga cgattcctat 180

gcataanaaa ttaaatgaga aataaacatg gcaatgatag tggagatgaa agctagagag 240

aaaactagca cacctcttct cacattcttc aac 273

<210> 18117
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18117

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tggcgtctcc tctctctctt cctttctcca ttccgctgcc attcatcttc caagaagcaa 120

aggaatccat tgatgaagaa gatcctaggc ctacaagctc caatggagct tgcatcacat 180

tattacgaaa gcattaggaa ggcatcaatt tcagatattg cttggcaagc tgggcattcg 240

<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18118

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ggagaaactg cgatggaatg ctccgtcatc tggctgattc ctcgcagtgg aagaagattg 120

atcgtttgta tccggatatc agcaaagagg aaagaaatct tatgcttgga gtagctagtg 180

atggaatgaa tccatatggc agtttaagca tgcaacacag ttcatggcca gttntgctag 240

taatttacaa tttgcctccc tggttgtgca taaagcgaaa atacatgatg ttgtctatga 300

tgatatcagg cccaagacaa ccatgaaatg acattgatgt ttatctaact ccgttgattg 360

aagacttgac taagttatgg gagat 385

<210> 18119
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18119

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aattgatcct caacctcatg ccttaacttt gaaaaaacct ccatttctga atcaatagca 120

gctcgctccc tagtcaatgc aaggttatct tcttctcttt cagctcttaa cctttccaac 180

tcaagtcttg cctcctcagc cattctttca acagtactga tctttttcct ctctatgaaa 240

agctgctgct caaaacttgc attgatatcc tttctcactt caactactaa acgactatgc 300

gcagcaacaa catttcagc aacagatttt gcttcaatgc atgcaagctc tttcactaact 360

atttcagaag catctccagt agcta 385

<210> 18120
<211> 424
<212> DNA
<213> [illegible]

[illegible]

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gttcttccgg aaggaccgca caagtggcca acccaccacc tgcgtcctac acatttcaac 120

tcatcaatat cactttatat attatgatca attaatacgc atcatgaaca tatatggtaa 180

tcatataacg aagttaaaat aagttaattg attatatata gaagaacgta cgttctaggt 240

gactttgaag tattagctga ttagttatca gagacaatta tataattggg ggtggctgag 300

agccatataa gcttgcataa aaataaagat taatraaaca cgtaaaagac tttgtttcta 360

atttatgcta atccaaggcc accctccttt atatatcttt aaaatgactc attgttatat 420

tact 424

<210> 18121
<211> 395
<212> DNA
<213> Glycine max

<400> 18121

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ttatttatca tattttaagg atcaatcaat tgagattaag ttcgcatggt atgtcactta 180

ctcgactctc ttcaacatgg gctgtggtaa tggaccaagt acccttttcca tcatggcaag 240

atgctccaaa ttttcgtgag tctgaaacaa agctccgccc tgtaatataa attcacaaat 300

tatggaatag aatctaagag atggataaat actgttttta tacaggattt gagagagcca 360

aacataccgt gcataactca accaagatac atccc 395

<210> 18122
<211> 389
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 18122

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[illegible] 120

[illegible] 180

gtcaataatg gggggggggg ttaaattact ttcttggtct ctatgtgaag aaaaattgac 300

catgaacatt tttctatcaa acaaagta 328

<210> 18123
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18123

agcttgctcn ctggagtttt ccgactatgc tcttgtatgg tggaacaagc tacaaaatga 60

gagagcatga aatgaagagc caatggttga tacatggacg gagatgaaaa agatcatgag 120

gaagcgatat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaacaaac 180

ccaaggaaac aaggggggttg aggagtattt caaggaaatg gatgtgctca tgattcaagc 240

aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatggtt tgactaatga 300

tatccgngat attgttgagc taccggagtt tgttgaaatg gatgatttgc ttcacaaagc 360

aattcaagta gagcaacaa 379

<210> 18124
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18124

agccaccaat ctttcatag tagatttctg gtaatgtgtc tactatcatt ggcatttttt 60

[illegible] 120

[illegible] 180

atactaacac tgcctaacga aggcaaccac taggtccttc caagaatgga ctcgggaagg 240

ttccaagtta gtgtaccang taacaactac cccagtaaga ctttcttgga aggaatgtat 300

cagcaattcc tcatcttttg cgtatgcccn catcttttga taatacatct ntagatggtt 360

<210> 1812
<211> 355
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18125

gaccnataaa actcagcttc acatcagacc cttcttgtgt ctggactact ttcatggact 60

tgatgggggcc tatgccagtt gaaagccttg gaggaaagag gnatgcctat gttgttgtgg 120

atgatttctc cagatctacc tgggtcaact ttatcagaga gaaaacagac acctttgaag 180

tattcaaaga gttgagtcta agacttcaaa ggagaaaaag actgtgtcat caagagaatt 240

atgagtgacc atggcagaga gnttgaaaac agcaagttta ctgaattctg cacatctgaa 300

ggcatcactc atgagttctc tacagccatc acaccacaac aaaatggcat agttg 355

<210> 18126
<211> 398
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18126

tcaattggag tcttgtcttt tacagactta gttggacatc tgttgagtat gtaaacagca 60

gtgtagactg cttcagccca taatgtgtta ggtagtcccc tctccttgag catcgatcta 120

gccatctcca taactgtgcg attctttctc tcggacactc cattttgttg aggagaatat 180

gcgactgtaa gttgtctctc aacgccttca tcctaacaaa atcttttcaaa ctcgtgaaag 240

gtgtactctt tgccgcgatc acttcataga acttttatcc gttttccact ttgatttnca 300

gcaaaggccc tgaactttth caatactcca nagacttctg attctgcttt tagaaaatat 360

acccatattca ttctagagaa gtcgtcaatg aagaatat 398

<210> 18127
<211> 347
<212> DNA
<213> Glycine max

gttattggtt attgcttatt atttgtattt aataaattta atttcattta tiatttaggg 1[illegible]

gtacattttt aaaaggaatc ttgggttatt gggataaaat caaaataaaa ttttttgatt 180

aggaaaagat tgtgatatct taattcaacc ccccttctta agatatctga ggccacttgt 240

ccaacagaga gtcttttgcg cttagagcac aggcgcgctt agcgagagac tatgtcacgc 300

tcagtgagat aactcaatta gcactatntt taaaaatgca caacctg 347

<210> 18128
<211> 394
<212> DNA
<213> Glycine max

<400> 18128

agctaatttat ttatagctgg aggagataag gttgaatgtt tatgaattgt ccaagctgta 60

caagcaaaag gtgaaagctt accatgacaa gaagctattg aagaagaatt tccaaccagg 120

ccaggaagtc ttacttttca attcaagact caatctattt ccagtcaagt tgaagtccaa 180

gtggtctgga cctttcacca tcaaagaggt gaagccttat ggagcagtgg agttgatgga 240

tcctcaatca aatactccta agagaagttg ggtagtgaac agtcaaaggt taaaactgta 300

tcatggtggc agcattgaaa ggttaaccac catcttgcac ttgcaagacc cctatagggt 360

gacatatgtc aagctagtga cggtaaagaa gcgc 394

<210> 18129
<211> 396
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18129

gaagtgaagg cacgctatga tggaactggg cctgncacat cctggctttt tccagtctgc 60

atggagattn tcaacaacaa catgggcaat gctcccaacc aaaataaaga caatgaaacg 120

cgaagatggc gcaaacataa ccgagcaaga cctcttgcag ataccaagag gagcctgcac 180

catggaaggt ctcagattta tggttatatg cttcttaatt taattattaa actcttaata 24[illegible]

[illegible]

[illegible]

[illegible]

<210> 18130
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18130

tctttcttnc atttgtactg ncttcatgtg attccttttt ctccctctac gattattatc 60

tcgcacatcc caatggtgaa agtgtgcgaa attgagtctc gaacaatgta tcaaaatttc 120

ggaaaaatcc aacggttaac gaatccggaa tcatagtttt accgagacag ctttgagttt 180

ctgcgaaaaa agaaaaagtc acgatgcgaa caatagttct ctcatctcca acatcttttc 240

gtaattccca acggtgagaa tgctcggaat tgagttgtga accattttct taaatntcac 300

gacgaaccaa cgatgaatga gtccgagatc gntcattttc tgaaacagat ttgatggtct 360

gcatgataaa gcga 374

<210> 18131
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18131

tgcttcaaga ataatggcct cagcaaactt cttatttcca gaaggaaatt caatcaatag 60

acttctaatc tttaatggag agggttacca ctactggaaa acctgaatgc aaatttttat 120

tgaggcagag ccatagaaat aggccttat atacccacta cagtagaaag aaccacaata 180

gatggaatca caacaagtgg aagcacaaca atagaaaaac ctagagatag atggtctaaa 240

gaggataaaa gacgagtaca atataattta aaagccaaaa acataattac atctgctctg 300

ngaatggatg aatatttcag ggtttcaaat tgtaagagtg ctaaggaaat gtgggacact 360

ttacaagtaa catatgaacg cacaacagat gt 392

<210> 18133

<400>

tagcttgtgc ctcttcacgt ctgaaatatg aatgtagaat atagatccaa agacccttag 60

gtgctttgct gatggcttct tcccattcca agcttcaatt ggagtcttat cttttacaga 120

cttaattgga catctgttga gtatgtaaac agcagtgtag actgcttcag cccagaatgt 180

gttaagtagt ccctttttct tgagcatcga tctagccatt tccataacta tgcgattctt 240

tctctcggat aatccatttt gttgagaaga atatgcgact gtaagttatc gctcaatgcc 300

ttcatgctca caaaatcttt caaacttgcg agaggtgtac tctttgtcgc gatcacttct 360

tagtactttt a 371

<210> 18133
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18133

cttatgcctg gatttgatcc tgaaattatt caagtggctc agatggtcct tataaatccc 60

cggaatattg actatcatac tggagttttt gcaaccaagg taacaacatc ttgtaatttc 120

ttgatataat tttaattggc tactatgaca tgctacacag tcctcatgtt tgttgtatag 180

atcatgcctg caagggatgg aaaacctgtc ttgattgaac ttattgatgc gaaaaccaag 240

gagccgaaag acacgctgga ggtaacttaa tctttttcag aaagctttta gggttatatc 300

ttttttgntat tatcaattgg aaacatttct cccatgagag aanggagaaa attattatgt 360

gttggtagaa cttagaatat ctatacnaag tatattgtat tatatcttag aatgtttata 420

ctatcttaat g 431

<210> 18134

<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18134

[illegible]

tccggaccaa tacctttccg ggttgggaat cttcctatct tgcatactct tagacttgaa 240

gagcaatnttg atcttaaaat taacgatgca aagtggctat cttctctctc tttnttaaca 300

actcttgacc tgacatcatt gcataatctt ggctcctctc gttactggca acaaatgatc 360

ggtgagctta taacacactt gagagagttg 390

<210> 18135
<211> 300
<212> DNA
<213> Glycine max

<400> 18135

cacatacatg cgccaacgaa ccaaatagca cacaaaaaga gtacaaggcg ggctaaacgg 60

gacttacagg aaacgcatta tagaccatgt gatgctcaat atcaagcaag ctcccagtct 120

ccagacacga aagtctgtga actggaaagc tagttttcaa aaactgttcc aatcgatgcg 180

catcgatgtt gtatctatag cctccgtctc cgctaaaacc aatcagaacc acgttcactt 240

ccagcggaac ttgaaacgga acctacacga accacagaca catgcattca cacatcaatt 300

<210> 18136
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18136

agcttcttat ccaaagcaat tcttggtggt gaaagctcct cttcctggc ttattcccta 60

ntggatggtn ncttcctctt ccttttctcc tttgccttcc gctgcatctc catggtctta 120

aatcaccatt gaagaacctc attgaagctc aaagatccag ccttcataga agctccacca 180

gcaagcttcc atcacaccct ttgtgcatgt ccttcatgtt ttacatgcct catgacacct 240

aaacacactt agtagagaat cttgaatttg atcttggatt agtgggctga accatagctg 300

anatttacta atcataatta gtgaaatgtt ggctccacaa attcaagttc aaattcaagt 360

gaaatttgaa tatgaaatca aaatgcctc caatt 394

<210> 18137
<211> 394
<212> DNA
<213> Glycine max

<400> 18137

agcttcacgc atgtaagtac aatctcatca ggtgcaagac tatcacagat gtcttgtctt 60

gtaataaata aatcagctag aactgaagct gcatatttct gggtttcctc atttgatgaa 120

ttgaggactt gaactagaga tctcaagcct ttattagctg cagaaccctt ttcaaggaga 180

tcattctgcg aagccatagt aagaacatga cctaaaactc ggattatgtg ggtttttgag 240

cttggagaat gccctatgag caatgctaat agctgattaa ttgtggcaga atcagctact 300

cggacaagct ttgtgagtgc cattgcagaa gcttcctgtc ctcttggtcc accactctta 360

agaagccaca aaaatgctgg gatggctcca gcac 394

<210> 18138
<211> 383
<212> DNA
<213> Glycine max

<400> 18138

ttacttctgg tgggacatct tgacttgctt tccaatctga cattcaccac agattctgcc 60

ttcttctatt ttcagattgg gaatgcctct aacagcacct ttgtcaatga ttttcttcat 120

gcctcttaag tgcagatgtc caaatctttg atgccatatt ctgacttcat cttctctgga 180

gaatagacat gtggaggagt aactggtttc ttgaggtgtc cataggtaac agttgtcctt 240

tgatctactg cccttcatca gaacttcact cttctcattt gtcaccaagc attctgactt 300

tgttgaagtt acattgaatc cttcatcaca cagctgactg atgctgatca agtttgcagt 360

cagtcccttc accagcagta ctt 383

<210> 18139

<211> 348
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18139

[illegible]

caagccatat gttcctcctc caatgcagca acaacagcag cagtcacaac aaagacaaca 240

aggaactgag gctcctcctc aaccttcctt agaagagtta gtgaggcana tgaccatcca 300

gaatatgcaa tnncagcaag agacaagagc ctncattcag agtctgac 348

<210> 18140
<211> 336
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18140

agtttgtttt gtttaatccg cacgaangac acgtgctcat gcaacaattg gtaaccgatg 60

ctataccaga catatttcca aacaaagtca ggttcacgat aactcacctg cgctcttgct 120

tcaatgctat atgatacaca gtgattgatc caataatatt cgatgagtcg gaaaatgatg 180

ccgcaattat actgtgccag caggagatgt atcatccccc tgttatcgtt gacatcatga 240

ttcacttgaa tgagcatctg gtctgagaaa tcaaatgttg tggtcctgat tatctacggt 300

ggaagtaccc ggctgaacga tacatgaaga tctcaa 336

<210> 18141
<211> 323
<212> DNA
<213> Glycine max

<400> 18141

tatattattg gcctgaatca gacatccgaa tcaatagtta tggctgtttа tttatgccat 60

gtgcttccat gttcaattgt gaacatctcg atatattatg cgcctgaatc gggcatctga 120

gtgaaaaatt atgtcatatg agttagccga gagcttcact ggtcaatttc aaacatctcg 180

acatattatt ggcctgaatc ggacattcga ggcaaaagtt atggcgggtt aaactttcca 240

tgcgcttcca tggttaattt tgagcatctc gatatattat gcacctgaat cggacatctg 300

agagaaaagt tatgccatat gag 323

<223> unsure at all n locations
<400> 18142

tagtttgtgt ctaagnngca atctgctatt ccgatgatag tgaccacgcc tgagaaaagg 60

gataccatta cacgcaagag cagggacata tcattgacca tggtggtaaa gctcttaatt 120

attgatgaag tccatctact caatgatgat agaggtcctg tgatagaggc tctagtttcc 180

atgaccctac ggcaggtaac gcatatgtct tatttcctct gtgtttttac atgtacaaat 240

ttagttagga gattcgctta aatttattat attctctttt ggatatatga ataatcagac 300

attggcttat gacagctaac ctgatatcta tcttacttgt tccacatata aagcgagctt 360

tcttattgat cgattttgcg ttggcactt 389

<210> 18143
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18143

agctttgtta acaagaattt catcaacgag tcaagacatg aaaaaagcct gacgagtaaa 60

tctttgttta gaagtacaaa tgtgggatga gtttaccagt gttagctatg ttatgactct 120

aaataattaa gttttgttag tttattgtac ttttttggtt catttattgt aataaaaaat 180

gtaaattact ttaaattaga tcggttttgaa ttaaataata actaattaga taataaaata 240

taaaatccaa tcaataacat aagacttgaa taatntttat tgtctaataa cgataataag 300

atttcaactt aagatttatt taaattgctc actatatt 338

<210> 18144
<211> 343
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 18144

agttttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

[illegible] 240

gatctgctgc cctttcattag aacttcactc ttcttatttg tcaccaaaca ttctgacttn. 300

tgttgaagtta cattgaatcc ttcatcacac agctgactga tgc 343

<210> 18145
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18145

tgtttcaatt canatgacaa ttacctttac tttatatcnt gatgagtccc gtaatataac 60

gagacgctcg aaattgaatg ttgaagctct gagccaattc agacgacaat aacttttttac 120

tgggatgtct gattgagtcc cataacatat cgagacgctc gaaattgaat gttgaacctc 180

tgagccaatt caaacgacaa taaagtttta ctcggatatc tgattgagtc ccgtaatata 240

acgagacgct cgaaattgaa tgttgaacct ctgagcaaat tcaaaagaca ataactctnt 300

actcggatgt ttgattgagt cctgtcatat atcgagacgc tcgaaattga tgttgaaact 360

ctgtccanat caaacgacaa tagactttta ctccgatgtc tgattgagtc ccgtaca 417

<210> 18146
<211> 388
<212> DNA
<213> Glycine max

<400> 18146

agcttgtttc ctatgaaagc tcctaatatc tcccacactt tttgggtggg gccattcttg 60

gatagccctg attttcrcag ggttcacttg gaccccattt ctaccaacta caaaaccttaa 120

gaaaactata ttatctacac aaaaggtaca crtctctata tttgcataga gggtgrtttt 180

cctaaggact gaaagaactt gtctgagatg tcctaagtga aaatctaggc tcctactata 240

cactaaaata tcatcaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300

atgcattaag ctcataaagg tgcttggtgc attagtgagc ccaaaaggca tcactagcca 360

ttcatacaaa ccaaacttag tcttgaaa 388

<210> 18146
<211> 1184
<212> DNA
<213> Glycine max

<220>
<221> unsure at all n locations
<400> 18147

gcttatctca cacttctat gttaatatta attcatttgt gtctatccct cactctcaga 60

cacctccttg ttgtgtgtca ttatggcatg gccaacttgc cactgtcttt tcatttcccc 120

tcctttcttgt tttgttatgt tacttttcag attgtctttt ctgttaatca taatttagg 180

agtgtcagat gttactcttg tttgattgga ttttatagtt ttttttaatc attcattcag 240

ttaacgaaga aaaataaatt attttagatt aatttatatg cttaaatata tgttttttatc 300

ttttgttttta cattcttatt aatttatgaa taaattaata aatttggatt tgtatctgat 360

aatatttttt atttataatt agttgaaatn tanaccaaca ttattatatt atgataaaat 420

aaatataaag tctctgattt aat 443

<210> 18148
<211> 398
<212> DNA
<213> Glycine max

<400> 18148

agtttactct gcaaacattt ataatagacc tcctcagtag caaacccaac aacaacagaa 60

taattatgac ctttcaagca acagatacaa tccaggttgg agaaatcatc caaatatgag 120

atggacaagt cctccacaac aacaacagcc tgtccctcct ttccagaatg ttgctagtcc 180

aagcaagcca tatgttcctc ctccaataca gcagcagtca caacaaagac aaaaagcaac 240

tgaggctcct cctcaacctt ccttagaaga gttagtgcgg caaatgacca tccagaatat 300

gcaattttag caagagacaa aagcctccat ttagagtctg acaaatcaga tgagggcaga 360

ggcagctcag ttaaaccaag cacaatccca aaattctg 398

<210> 18149
<211> 378
<212> DNA
<213> Glycine max

[illegible]

tgctatatgt agcaaagtca ttgatccagt cdagtttgat gagttggaaa atgaggccgc 180

aatatactg tgcgagttgg agatgtattt tccccccgct ttctttgaca tcatgattca 240

cttgattgtg catttggtca gagaaattaa atgctgtggt cctgtttatc tacggtggat 300

gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcgtcc 360

agaagcatct attgttga 378

<210> 18150
<211> 380
<212> DNA
<213> Glycine max

<400> 18150

agctttatct aaattgagag ttgtcaagca atcaatttta aaataaagac atttaatcct 60

tatatttta aaaacattta actttatttt cttattttaa aatagaaaca tttaatcgtt 120

tagctttgta aaattcacaa ttctaacctt tttatcaaat ttaaaaaaag ttgattaata 180

agaaattaac tttaagtgat tcaaaattat attatttatt taatctacat catagttaat 240

attaatatct taaatgttac cctttcagtt tcacataaag atcaaattca ccaattttac 300

atgtgagact aaatgtcttt attttaaaat aaaaaaaaaa ttaaaatgat atatttcaaa 360

agaaaactaa atatttttat 380

<210> 18151
<211> 375
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18151

agtttnatta tatcgagatg ctcgaaatta aacatcggaa gctcttcgaga aattcaattg 60

gtcataattt atcacacgga tgtccgattc gggtgcataa tatgtcgaga cgctcgaaat 120

tgaacaacgg aggctcttcga gaaattcaaa tggctataac ctttcacaca gatgttcgat 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 407

<210> 18152
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18152

gcttcatgag agagtcaaag atcaaatnga gaggaaaaat tttagctatg ctaaataatc 60

caacaaaggg agaaagaacg ttgtcttcga acccggaaat tgggtttggg tgcacatgac 120

aaaaganagg tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt 180

tcaagtgctt gaaagaatca atgacaatgc ttacaaagtt gagctgcccg gtgagtataa 240

tgttagttcc accttcaatg tctctgattt atctctttntt gatgcagatg gagaatccga 300

tttgaggaca aatccttctc aagagggaga gaatgatgag gacatgacca agagcaaggg 360

caaggatcca cttgaaggac ttggaggacc tattgatgan gacatga 407

<210> 18153
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18153

agttttgctt ttctaatttta gnagatccat gaaggtaccc taatgtctga agtttatggg 60

attaagatgg tcattgacca atccctattt tatgacttaa caaaattgcc tagtgaaggt 120

gtaccttttg agggtgcact gattgatgaa tggaaatttg atttgtctgt gcatgatgcc 180

caccggttgg tttgcaccaa ccaagcggat atgaccggaa gacttgtttc cgtttgattg 240

gcttttgaga gccgcatctt ccattacctt attgctcgca tcttactccc tagarcttca 300

aaccttgctt aagtttctga agaagatctc attgtcatgt gggcctttca taaaggttta 360

caaattgatt gtggcacact tgttagatat cgcatg 396

<400> 18154

tttgtggcta actccgacta ctgaaattga ccctttccaa caactggttt agaggcgcca 60

caatcttagc atacccttta ataaatcgtg tataaaagcc taccaacccg aggaagcttc 120

tcaatgcttt tactgattga ggtagaggcc actcctgaat agcgtataac ttttctggca 180

ctggttcaac tccgttgccg gagacgacat gccccaggta ctccagttgg gactgggcaa 240

aagtgcattt ggtacgtttc aaagagaact tccctganag caagagtttg aacgcgctnt 300

cgaggtgacc canatgatcc gccatttgtt tgctatatac cagcacatca ccgaagatga 360

cgatgatgaa cctgcgcaga aagggttgaa agagctgatt catagttgct ttgaaggtag 420

atgggtcgtt acac 434

<210> 18155
<211> 361
<212> DNA
<213> Glycine max

<400> 18155

agcttttgga gtttggggaa gaatgcctta ctaaaatata caatgaggtg ggaattttgc 60

atcaaaatag ctcccatggt tgtgccagaa gcatcagatt ccaagacaaa tgggatggtg 120

aaatctgata tcgctaagac aaatgggaat tttgcatcaa aatagctccc atggttgtgc 180

ctccgccatt agtgacttga gtttgtcaaa ggtgacctga gaggtaggat tccaaaggaa 240

ctggatcctct cgcaagagca ctatcaatgg tgcggctacg gtggcgtaac ctcgaacaaa 300

ctactggtaa aaacctgtaa ggcccaaaaa tccttgcaac tatgatggag atgatgggga 360

t 361

<210> 18156
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18156

[illegible]

tgcagctaac cgatccattg tttccttcaa [illegible] 240

aaaaaatatc tttcatttgg ttaaatactt tttagagaac ttatccttag gattgtggga 300

aatcatacca ccaagcaata gccaaaagat acactggaga gacatcaatc agattaaatt 360

catttgcaca attacatcaa tcagctgata gcttcctcag aaaacttatc atttcataat 420

aataacaaca aactatgaaa atactctgca taatntttac aaaatcaatt cattattaaa 429

aaaaatata

<210> 18157
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18157

tncctctaaa tntaaaatat gcaacaaaca ttgctattaa ggtacaaatg gattattcat 60

ggctatcgca tcaaagattt ggccacttca acacacatgc cttgaagttg ttacatgaga 120

agaacatgat gagagatctt caaagcataa aggagaacat tgaagtgtgt gaaggatgtc 180

tgcttagtaa gcaacaccga tttcctttct caacaagcgg agcatggaga gcgaaagatc 240

tattggagct gatacatacg gacgtttgtg gaccaatgag gacgccatca catgagaaca 300

acagatactt catactcttt atcgatgact tctcttgaat gacatgggta tattttctaa 360

aagaaaaata agaagtcttt ggagtattca daatttcagg gccttgctga aatcaa 416

<210> 18158
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18158

atggcctcag caaattcctt atttctataa agaaattcta tctacagacc tccattcttt 60

aatggagagg gttaccacta ctggaaaacc cgaatgcaaa tttttatcga ggcaatagat 120

ctaaatatct [illegible] 180

[illegible] 240

gccctaggaa tggatgaata tttcagagtt tcaaattgta agagtgctaa [illegible] 300

gacactcttc gattaacaca tgaaggaact acagatgtta aaagatctag gataaatgca 420

ctaactcatg agtat 435

<210> 18159
<211> 354
<212> DNA
<213> Glycine max

<400> 18159

tatgtttgac caggaattat ttggatgggt tggatgttga gttcaagttg ttcctggtgt 60

ggagatgatg ggacagatgg tgaaccagaa gctgcagttt cttttgatga ggtagccatg 120

gaaaagcaca tcgtttggaa tgatttcgta aatctcagaa aactattggg aaatgctgat 180

gaaaacacga atgtcaagca gatatatatt tgaatgagga atgtagaggg ccgtgtgaag 240

caacggtcga attttccttg gttcagtagt gaacgtgcta ttaatgctaa gtgattcgtt 300

tgggcacgtt catattgctc gaattgctat aattcctcta tcacacaaat gccc 354

<210> 18160
<211> 412
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18160

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

tacattagaa tcctctttgc tgctaggaag tgaggtgtct ttggttttct cataaacctg 300

cttatcaacc caacacaata agcaatgtca agcctggtgt tacatatgta cctcagtgag 360

cctacaactt gcttgtacaa ggtangatta actttttttt catccncatc ta 412

<400> 18161

agtttctatt ctcaattttg agtgtcttga tatattacgg gactcaatcg gacatccgag 60

taaaaacttt ttgtcgtttg aatttgctta gagcatatat tctcaatttc gagtgtctcg 120

atgtattacg tgactcaatc gaacatccga gtaaaatgtt attgcagttt gcatttgcaa 180

caagcttctg atttcaattt ggatcgtctc gatctatgat gggactcaat cggacatccg 240

agttaaaagt tattgcgggtt tgcatttgct acgagcttcc gctttgaact acgagcgtct 300

tgatatatta ctggactcaa tcgaacatca gaataaaaag ttattgttgt tagaattttt 360

ttcagagcct ctgttttcca 380

<210> 18162
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18162

tcaaccaaag ggagatggac catttcaagt gcttgttaga atcaataaca atgcttacaa 60

agttgagctg ccccgtgagt ataatgttag ttccaccttc aatgtctctg atttatctct 120

ttttgatgca gatggagaat tcgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgangacatg ttcaagagca agggcaagga tccacttgaa ggaattggag gacctatgac 240

aagnactaga gcaaggaaag ccaaggaagc tctccaacaa grgcrgtcca tactatttga 300

atacaagccc aagtttcaag gacaanagtc caaggttntg agttgtatca tggccgaaat 360

ggaanaggac taaatgacac cacttngtct 390

<211> 14163

<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18163

[illegible]

agagcttcaa caatcaattt cgagcgtctc gttatatcac gagacgcaat cagacatccg 240

agtaaaaagt tattgttgtt tgaattggct cagagcttcc acattcaatt ttgagcgtct 300

caatatatta cgggcctcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tcagagcttc ancattcaat ttcgagcgtc tcga 394

<210> 18164
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18164

ntgagcaaat tcaggcgaca atatcttttt actcgcattt ctgattgttt cccgacatat 60

aacgagacgc tcgaaattga atgtcgaagc tctgagccaa ttcaggcgac aatatctttt 120

tactcggatg tctgattgag gcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga atcctgtcgt 240

atatcgagac gctcgaaatt gaatgttgaa cctctgagcg aattcaaacg acaataactt 300

tgtactcaga tgtctgatat gggctcgtaa tatatcgaga cgctcgaaat tgaatgttga 360

agctctgagc gaattcaaac gacgataact tgttactcgg atgtctgatt gagt 414

<210> 18165
<211> 301
<212> DNA
<213> Glycine max

<400> 18165

[illegible]

cctcataggc cacctgagcc ccatttttac cacactctaa accctgagaa aactatatta 120

tctactcaaa aggcacattt gtctatatta gcatagacgg tatttatgc[illegible] aaggactgaa 180

agaac[illegible] [illegible]c tgagatgtac taagtgatca tctaggctac tactatacac tcgaacatga 240

[illegible] 300

<210> [illegible]
<211> [illegible]
<212> [illegible]
<213> [illegible]

<400> [illegible]

[illegible] 60

ggaa[illegible] [illegible] ttggc agaatgcgat 120

[illegible]gcatg [illegible] aaat [illegible] 180

[illegible]aa gccgag[illegible] tgatcg[illegible] 240

[illegible]c [illegible]aagtc[illegible]a cttga aatc[illegible] [illegible]cag 299

[illegible]anga [illegible]tag g[illegible] [illegible]ag gctac[illegible] gt[illegible]

<210> [illegible]7
<211> [illegible]
<212> DNA
<213> Glycine max

<400> 18167

tttagcttaa gctcctacaa ctgcacaagg ctcttaatgt ttgaagagta tccttgagga 60

accttcaccc gactaagaca ctgacaaaaa cttatcttct cctttttgga caaggtatgg 120

caagctaggg gcaagtaaat tttcttccca ttaaaccttg gatgcaactg tgatcgtatg 180

cccatatcaa ctagatcttg acaggtattg aagccatgct tcatcttgcc ttgaatgtta 240

aggagagtac caatcacact atcacaaaca tttgtctcca catgcataac atcaatacaa 300

tgtctaacat cgagatcaga tcagttcgaa agatcaaaga taatggacct attcttccat 360

atgcaactc 369

<210> 18168
<211> 406

<212> DNA
<213> Glycine max

<400> 18168

agcttgctaa cttatgaaag ctcctaatat ctcccacact ttttaggggtg ggccattctt 60

[illegible]

acactaaaat atcattaaaa taaaaaactg caaatctacc tatgaaatcc cttaagacat [illegible]

gatgcataag cctcacaaag gtgcttggtg cattagtgag cccaaaaggc atcactagca 360

atttatacaa accaaacttg gtcttgaaag cagttatcca ttcatc 406

<210> 18169
<211> 422
<212> DNA
<213> Glycine max

<400> 18169

gaatggaggc tctggtctct tgttgaaact gcatgttttg catagtcttt tgccttatca 60

agttcttcaa gggaaggttc cggaggagcc tcaactattt gttgtttctg gggctgttgc 120

tgcttctgtt gttgttgttg tagctggatt ggtggaggaa catctggtct gcttgggcca 180

gcagcattat gaaaataagg ctattgttgt tgctgctgtt gtgaaggact caaccatcta 240

aggttgggat gattcctcca cccgggattg tacttgtcgt tggagaggtc ataattgttc 300

tgctgtggtt gattctgctg ctgaggttga ggaggtctat tgtagatgtt tgcagcataa 360

gcttttaggct gttcaattgc tccagattgc tgcacaaaag ggcaaaggtc tgtatggtgg 420

422

tc

<210> 18170
<211> 267
<212> DNA
<213> Glycine max

<400> 18170

aggtacacat gcaacaattg atagtccggg ctatacaaga catcttgcca aacaaagtca tc

agttggccat aacacactg tgcttttct tccatgcttt atgtaacaaa ggcattgatc 120

ctgttaagct tgacgagttg gaaaaagacg ccgcgattat attgtgccag acggagatgt 180

atttcccccc cgctttctat gacatcatga ttcacttgat tgtgcatctg gtcagagaaa 240

tcaaatgatg ctgcctgttc atctatt 267

<400> 18171

agcttgcctt gctccttgat atatttgagg gaattcatggt cactatgaat gacaaatttcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactccttta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tgcccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctgaatttca 240

aaatatttttt gaaagttttgg caacgcaagt atggggcatt agttagcttt tgcttaagaa 300

cattgaaagc ttcttcttgt ttctctcccc atttgaaacc agcatttttc ttgagcactt 360

cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctat 408

<210> 18172
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18172

attcaaacga tgataactnn ttactcggat gtctgatnga gttccgcaat atatcgagac 60

gctcgaaatt gaatgttgaa gctctgacca aattcaaacg atgataactt tttactcgga 120

tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga agctctcagc 180

aaattcaaac gataataaat ttttactcgg atgtctgatt aagtcccgta atacatcgag 240

acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataat ttttttagtc 300

agatgtctga ttgagacccg taatatatcg agacgatcaa aattgaattc tcaaagctctg 360

aactaattca aacgacaata acgttttgct caaatgtctg attgagtcct gtaatct 417

<210> 18173

<211> 397
<212> DNA
<213> Glycine max

<400> 18173

[illegible]

cagatatctt cacaaaagcc ttgaagatag acagatttaa ggagttagga atcatgatga 54

atattctaga gctttaggtt attgtctgtt gttggaatat tgcattttga atcatggggg 300

tgttagaaat aattcataaa tgtaattacg ggttaatgaa attatggatt ggtaagtaca 360

tataaataag tacttcttata ttgtaagaat agagtgt 397

<210> 18174
<211> 425
<212> DNA
<213> Glycine max

<400> 18174

gcaacatcag accacttcca gggtgctgga actacttttt tggatttgtt ggggcctatg 60

caagttgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga tttctccaga 120

tttacctgag taaactttat cagagagaaa tcagaaacct ttgaagtatt caaagagttg 180

agtctaagac ttcaaagaga gaaagactgt gtcatcaaga gaatcaggag tgaccatggc 240

agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300

ttctctgcag ccattacacc tcaacagaat gggatagttg agaggaaaaa caggaccttg 360

caagaggctg ctcgggtcat gcttcatgcc aaagaacttc cctataatct ctgggctgaa 420

gccat 425

<210> 18175
<211> 448
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18175

[illegible]

gttactgttc ctttcccgcg ctgaagattc tgctgaagaa ttacttgggg tgtgaagagt 120

gtgagcttga ggagtccatt ttgaagcggc tggaggaggt tgtcgacgtg gcccggatga 180

ctccggcgga tataagcgag gttttgatca agaacagacg caagagagag aatgcggtgg 240

[illegible] 300

[illegible] 360

agacaagtag tatatagtga cgaatgat 448

<210> 18176
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18176

agcttgctta atttggattt cttngagcga gaagttgacc ttggaagtac ttgtcaatgc 60

gactgtacca tgctctcagt gcttgattta gtccataaaa agccttcttt agcttgagaa 120

ctttgtcttc ttctaatttc acctttaatc ccaacggttg ttcgatgtac acttcttcca 180

cgaggactcc attcacgaag gtagacttca cgtccatttg atgaattctc cactagtgtt 240

gagttgcaag agagattatt actacgatgg tctccaggcg agcgaccaga gcaaacacct 300

caacataatt gataattgtg aaatttgagt taatttgata gtcaattatg gctaagaatg 360

attggaattt ctttacttta tcgtttattt aataaaataa ta 402

<210> 18177
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18177

tacncacgct tgtaagaact tggtcacttc ctttnncacc acatctagta tgacggngtt 60

tagtcgtttc tgtggctacc tcactggctt agctgcatcc tctaaaagta tcctatgcat 120

gcaggtagat gaactaatac caaaatgtic tgctaaagtc catccaatgg ccttcttgtg 180

ctttttgacc accggcaaca acttctcctc ttgctcaaca tcaagggaag cagagatgat 240

cactggaaat ttgatgcaat cctaccccgc aagggcattg gatagaagac tccaagtaga 300

ttgggccaga gatccaaggg aaggccctag ggttctcatg agccttaagg tagatttgga 360

gcccatgggc taagtatgag cccgcttatc tttgtaattg ttagaatagg ttttttcctt 420

<210> 18178
<211> 392
<212> DNA
<213> Glycine max

<400> 18178

tcaagtgttt ttaatgcatg tgaaattaca aaactaccca taatacaaaa aactagtcaa 60

agtgcccttg aatacaaggg ctaaaaaatc ctacattact aaggtatcct tcctacacta 120

tggagcacta aatacaagac cctaaaataa tgaaattcta atctaatatg tacaaagata 180

agtgggctca tacttagccc atgggcccaa aatctaccct aaggctcatg agaaccctat 240

ggccttctct tgcatctctg gcacaatctt cttggagtct tctatccaat gccccttggg 300

ggataggatt gcatcactag gggaaatctc aaatcaaaaa gtgtcatgct tactatctat 360

caaagaaatc atatggtatg gcatacaaat ct 392

<210> 18179
<211> 384
<212> DNA
<213> Glycine max

<400> 18179

agcttgtatg gttaaagtct cacgattgtc atgtgctcat gcaacaattg ttagccatgg 60

ctatacgaga catcttgcca aacaaagtca ggttagcgat aactcgcctg tgttttttct 120

tccatgctat atgtagcaaa gtcattgatc cagtcatgtt tgatgagttg gaaaatgagg 180

tggcaattat attgtgccaa ttggagatgt attttccccc tgctttcttt gacataatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

gaatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatatcgtc cagaagcatc 360

tattgttgag aggtaaattg caga 384

<210> 18180
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18180

ccanatgaag aaagatgtcc ataagcattt nannaggtat gtnntntgtt tanaagccaa 180

gtctagggtg atgcctcatg ggctatacac acccttaccc atcccatctg cacattgggt 240

agacattagt atggactttg tccttggggt tcctagaacc caaagaggtg tagactctat 300

ctttgtgggtg gtggataggt ttagcaagat ggcacacttt atatccatgc cacaggtgga 360

tgatgcttcc cacatctc 378

<210> 18181
<211> 395
<212> DNA
<213> Glycine max

<400> 18181

tcaaccaagt ggagatggtt catttcaagt gcttgaatta ttcaatgaca atgcttacaa 60

agttgagctg cccggtgagt ataatgttag ttccaccttc aatgtctctg atttatctct 120

ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg accaagagca agggcaagga tccagttgaa ggacttggag gacctatgac 240

aagggcaaga gcaaggaaag ccaaggaagc tcttcaacaa gtgctggcca tactatttga 300

atacaagccc aagtttcaag gacaaaagtc caaggttgtg agttgtatca tggcccaaat 360

ggaggaggac taaatgacac cactttgttt caatt 395

<210> 18182
<211> 346
<212> DNA
<213> Glycine max

<400> 18182

ntttcgatta tatacattacc agattcaaac atccgagaat tatgacctga ataatcgaat 60

tacaccagag cttccattgc tcaatttgga gagactagat gagttatgta cgcgaatctg 120

acatccgcgt gaaaagacag gaccattgcg ctttcacgag agcttgcgat gttcaagggc 180

gagcgctcag atgagtcatg cacgcgactc gggcattcgt gggaaaagcc atgaccattc 240

[illegible] 300

[illegible]

<211> [illegible]
<212> DNA
<213> Glycine max

<400> 18183

tgaaagaatg cagacaatct ggggttgtct gtagagaatt actttgttgc tatgagatta 60

ccttctctat gctcttccta tgtttataaa tgaatcaagc agcctcaaga tgtcaagaag 120

taaatgtggt tgactgagaa ttacataaac aggttgggct tggttgcctt gtatgttgtt 180

ttgagcttcc tagttggggg cctaaccttc ttgaacacca aagggaactt gatcttggag 240

ttgtggaact gcttggtgct ctccctttg caaagtttag ctgggatggt ggcagttttg 300

atgatctgga tgcatggaga cctgactcta tgacgagatg ccatttcgtt gtacatgtgt 360

tcaacagcgc cgtttagagt agtatcgcga tattccttgt acatgttgtg ataaccagtt 420

cgg 423

<210> 18184
<211> 410
<212> DNA
<213> Glycine max

<400> 18184

tcatgcttaa ctatgtatgg caaaacttca ttactgtttgt tcaagacata caagtgagct 60

tgtaacaaat cttctacact cggagtgatc acctgcagtc ctctagaact ataatcaccc 120

actctgtcat cataccgaga cttacgaagc ccaacaggtt tagcctttctc taagtattct 180

gtaccaaaatt caatggcttc ttctgcaatg tacctctcaa caataaatgc ttctagacga 240

tatagaattct ttctataccc tttaagaatc ttcatgtatc gctcaaccgg gtacatccac 300

cctagattaa caggaccaca acatttgatt tctctgacca ggtgcacaat caaatgaatc 360

atgatgtcaa agaaagcacg gggaaaatac atcttcaact ggcacagtat 410

<210> 18185
<211> 386
<212> DNA
<213> Glycine max

[illegible]

ctttgatat acttttgtgct ttaacgactt gaattcaata tgatttttgtt tatcaattat [illegible]

ttttggattt gtacattact tatacgaaat tttataagtt tcttttttta gttagtattt 180

cacttaggttt taaaataatt aattaatcaa agacgtcttt aagcaagctn ttaaatatgc 240

tcgtgggcca agccagactt ttatgtaagc cgagccgagt ctttaaaaaa agcctatgat 300

aggttaatgag ccaagcttcaa gccttacgta ttcaactcaa gctgagctca agcttagtaa 360

agcttggttt ggcttgctca tttcac 386

<210> 18186
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18186

agcttgtgca ctcaatatcc tgatgagagt gttccatatg ttctcaagac tgaactaata 60

catttgctgc ccaagattca tggtcttgca ggtgaagatc ctcataagca tcttaaggag 120

ttccatattg tttgttccac catgaagccc cctgatgtcc aagaagatca tatctttctt 180

aaaggttttt ccncattctc tggagggagt ggcaaaagat tggctctact accttgctcc 240

cagatccatt ttcagttggg atgaccttaa gagggtgttc ttggagaaat tcttcccctgc 300

atctatgacc actaccatca ganaagacat ttcatgcatc angcaacttta gtggagaaag 360

cttgtatgag tactgggaaa gattcaag 388

<210> 18187
<211> 381
<212> DNA
<213> Glycine max

<400> 18187

tctagcttat aatattttat tacgctcgaa attaaacaac ggaaactctc gcgaagttca 60

aatagtcgta actattcaca cggatgtgcg gttcgggcgc ttaatatgtc cagaggctcg 120

aaattgaaca acgggagctc ttgaaaaact caactcggat aactttcac acaatatgcc 180

tattccacaa catagatatc tataagaaat gttctaattt tcaacggatg tcgattaagc 240

ttatatatat gatacgctcg a 381

<210> 18188
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18188

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacttgtg gcctcagata 60

tcttaagaag ggggggttga attaagatat tccaaacttt tctcctaatt aaaaatctat 120

cttacttttt acttaagtta tgaattccct taatgacaat cttcttaaat attaattcaa 180

atgaagcaac ttgaattatg aatataaagc aataataaat aaaggagatt aagggaagag 240

aaaatgcaaa ctcagtttta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaacccg cttgagagtt ccactaactt gtaaattcct tttacaagtt ctaaacacac 360

aaggacaacc cttcctttgt gttagagatt tttaaacaag agactcacag ctcttatccc 420

tt 422

<210> 18189
<211> 358
<212> DNA
<213> Glycine max

<400> 18189

tagaacaatg gaagctgtcg agaaattcaa tgtgtctatc ttctttaacg gatgttagac 60

tcggacacat aatatatcga gaccgtaaaa attgaacgat tgaactctct cgagaaattc 120

aattggtcat aacgtttcac tcgaatgtcc gattcgggcg catatatat cgtgaacgtt c 180

gaaattgaac aatggaacct cttgagatat ttaaatggtc ataactgttc acacgaatgt 240

ccgattcacg gacttaatat atcgagacgt tcgaaattca agaacggaag ctttcgtgaa 300

attgatatgg aaataagttt tcacatggat gatctagtca cgcaggatca atattgtg 358

<220>
<221> misc_feature
<222> (1)..(428)
<223> unsure at all n locations
<400> 18190

gantataaa actcagctta ttggacaaag gcaaactcta ttgnnggata tgatggagaa 60

gcagnacttc ttggacctga aatgctacaa cagattaacg aacaagtgaa gttgattcga 120

gagaagataa aagcatctca ggataggcag aagagctatt atgatagaag gagaaagcca 180

ctagattttc aggaaggaga acatgtgttt ttgaagggtt ctcccgtaac cagagtcgga 240

agagctctca aggctaggaa gttgacaccc aagtatctag gcccgtatca gattttgaag 300

aagattgggc ttgtagctta tcatatcgcc ttacctccga gtttatcgaa tttgcatcct 360

gtgtttcatg tctctcaact gaggcggtac aacccagatc catcacatat acttacagtg 420

gacgccac 428

<210> 18191
<211> 371
<212> DNA
<213> Glycine max

<400> 18191

tatactccct ttcgggtcac ttagccccga aaacattatg tattttgtgt tgtattgcaa 60

atcaccaagt agtgatcttg gttgatggga gcagtaccca caacttcata cagaaacact 120

tagtccacca attgggccta ccaacacaaa ccacaccttc tctcaacgtc atggtgggta 180

acgggcatca cctggattgt cgccatgtct gtccagcact tgcagttcat attcaggaca 240

ttgtcttcaa tattgaccta catgtcctgc tcctgtgtgg tactcacatc gtattaagtg 300

ttcaatggtt caaatctctt tgacctggtgc taacggatta taacgactta tccatgaagt 360

tctctcgcaa c 371

<210> 18192
<211> 325
<212> DNA
<213> Glycine max

<400> 18192

tctcgatata ttacaggact gaaccggaca tccgtgtata aaattattgg catttcaatt 60

ttctcagagc ttccgatcta aatttttgagc atctcgatat attacgggac tcaatcagac 240

atccgagtca aaagttattg tcgttggaat ttgatacgag cttacgcatt caatatggag 300

cgtctctcga taaattatga cactc 325

<210> 18193
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18193

agcttttttgt ttctactatt ccaataattt cctagtggcc ttatggaatc taaaataagt 60

cttactatga cattggtgca atggattttt atggtcatat aaaaaacata acaaagatca 120

agaaaaggaaa tccaaaaaac atgtagaaac tagcttgagc cgccttttggt caaagctgta 180

gaaaatgcag aaactatgtt gctcatccct tctggtggat tactagtgag cctaaactag 240

aaaagctggc ctcatatgat gtttccataa tatgtcttgt aattttggct tttgttatct 300

ttagttcttg ttgtgtttaa tgaagaaata ttatgcatga ataacttcta ggatggatat 360

tttatggatt gcaccaatgt taagcttttt gtttctacta ttc 403

<210> 18194
<211> 416
<212> DNA
<213> Glycine max

<400> 18194

agtcagctta acaacgaaat ttagttaggc taattagttt cngtttttaa agaaaattta 60

ctttgcttgtc tatgaatatg ttcctaataa aaaccttgat tgcttcatat ttgttaaatt 120

tgaatatctg cgaaattaga ttgttagtat atgtctatta atttagtttt ggttcaagac 180

acaccgagta ctaatattgg tttaacattc atatggttgt ggtgtgtatg tatagatcca 240

ataaagaaaa cacaattgaa ttggcaaagg cggtacaaaa tcattgaagg tattgctcga 300

<210> 18195
<211> 406
<212> DNA
<213> Glycine max

<400> 18195

tcaagaaaaa gatggcctta tcaaactcct tattcctttt ggaattctat caatagacct 60

ccaatcttta atggagaggg ttaccattac tggaaaaccc gaatgcaaat ttttattgag 120

gcaatagacc taaatatttg ggaagccata gaaatagggc cttatatacc caccacagta 180

gaaagaatta caatagatgg cagttcatca agtgaaagta taactataga aaaacctaca 240

gatagatggt ctgaagagga tagaacacga gtacaataca atttaaaagc caaaaacata 300

ataacatctg ccctgcgaat ggatgaatat ttcatggatt caaattgtaa gagtgctaac 360

gatatgtgtg acactcttcg gttaacacat gaaggaaact acaatg 406

<210> 18196
<211> 396
<212> DNA
<213> Glycine max

<400> 18196

gtcttggcat tggagttgct ttaaatccta gacttttttcg aagcatcttta atctcagctt 60

cttgggtctc ctataaaaaa ggtgaaaggt tggtgtgatt aaatggcaat atctgcaatt 120

tacattttcat cctacatatc aaatattatc accttggttt ttgcttgcag gttactctcc 180

tccacttcct tagcatgaat cttttcctca agcttagtgt agaactggcc accaaaataa 240

tatttttta aaactgagtt tatccaaaag aaaccctcat gtaacacaaa aggcaaaagc 300

aagtaataat tatttacctc ttttcttctc tcaggcggct catcacaatt gaaaactgaa 360

ccatattttg gaagtgctcc caccctgcga ggtttg 396

<210> 18197
<211> 393
<212> DNA
<213> Glycine max

<400> 18197

tgttgattga gttctgtctg gaggagaagag gaagttgcaa ctgttggagc tccaagagat 120

gaggcttaat gcttatgaca cgatgttgta caagcggatt gtgaaggcct atcatgacat 180

gaagttgttg cgaaagaact tctaatcagg ccagcaagtc ttgctctttа attcatgact 240

caagctattt ccaggtcatc tgatgtcctt atgggctaga cctctcacta tctaagaggt 300

atagccctat ggagcagtgg aattgatgga tcctcagtta catcatctaa agaggaacttg 360

ggtggtgaat ggtcacagat tgaaactgta tca 393

<210> 18198
<211> 392
<212> DNA
<213> Glycine max

<400> 18198

tgttttattg gatcttatat tcaagtggtc ctctagtgga gatggagttt tagtaagttt 60

ctctgatttt atggttatga gcttgctaat gcccttctat tatccagtaa tgttgctgtt 120

ttacaatgca tgtggcagtt ggttgattac atggttttta ttttttcagga acgtgcggct 180

ggtgcattgg ctaatttggc agctgatgac aagtgtagta cagaggttgc actatcagga 240

ggtgtacatg ctctagtgat gcttgctcgt aactgcaaat ttgagggagt gcaagagcaa 300

gtagcattac tttttattat ttgggtacca tccagttcag ttgctaaaat ctttgaagct 360

gttttatttg gtagatgata cctgccaatt ga 392

<210> 18199
<211> 404
<212> DNA
<213> Glycine max

<400> 18199

agctttttca aattcaaacg acaatacctt ttgactcgga tgtcggattg agtcacgtaa 60

tatctcgaga cactcggaat tgaataccga agttatgagc aaattcaatc gacaataaat 120

ttttactcgg atgtcggatt gagtcacgta atatatcgag acgctcgaaa ttgaataccg 180

[illegible] 404

cgaagctctg agcaaattca aacgacaata cctattgact cgga

<210> 18199
<211> 392
<212> DNA
<213> Glycine max

<400> 18200

agctttgcct caaaacaaag tctttccaag acatccaagg ctgtggtaat cgattaccaa 60

gcagtgtaat cgattaccag aagacaatat tgaaaaaaca acttttaaga agggttttga 120

aatttgaatt taaaagttgt aatcgattac cattgatgtg taatcgatta ccaacaacga 180

aactcttgaa attcaatttg aaaagtcata acccttcaaa atataactgt gtaatcaatt 240

accagaaacc tataatcgat taccagtgaa gaattttaga aaaagctttt tgaaaagaca 300

catctcttca aaccattttg aaaaggcacg aatgcccaat atatatgtgt gtctgacttc 360

agaaggcaag agagagatat tctaagcgaa ct 392

<210> 18201
<211> 390
<212> DNA
<213> Glycine max

<400> 18201

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

ttttttcagcc cttgtatttt agggcaacta cactagtttt tatattaagc gtagctgtgt 360

aatttcacat gcactaagtg aatatttgat 390

<210> 18202
<211> 1..
<212>
<213>
<223>
<400>

agctttgtcc aactcanacg acaataacgt ttttctcgga tgtctgattg agtcccgtaa 60

catatcgaga cgctcgacat tgaacgttga agctctgagc caatacaaac gaccataact 120

tttttctcag atgtctgatt gagtcccgta acatatcgag acgctcgaaa ttgaatgttg 180

aatctctgag aaaattcaaa cgacattaaa tttttactcg aatgtctgat tgagccccgt 240

aaatatatcga gacactcgaa attgaatgtt gaacctctgt gcaaatttcaa acgacaataa 300

ctttttttctc ggatgtctga ttgagtcccg taacatatcg agacgctcga aattgaacgt 360

tgaagctctg agccaataca aacgaccata actttntact cgga 404

<210> 18203
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18203

agcttgtgaa gctcctgttt tagctttacc cgattntact caaccatttg aagttgaatg 60

tgatgctagt ggagttggca ttgggggctgt tttgatacaa aacaaaaggc ctatagctta 120

tttctcggag aaattgggag gagccagatt gaactattgc acctatgaca aagagttcta 180

tgccattgtg agagctcttg atcattggaa tcattatttg cgttctaatc actttatatt 240

gcattcagat catgagtcat tgaagtatat caatgggcag cagaagttga gtccaaggca 300

tgctaaatgg gttgaatttc ttgaatcttt taatttctct tcaaaataca aggatggtaa 360

gaatgaatgtg atggctgatg cactctcaag gagatatgc 399

<210> 18204
<211> 391

<212> DNA
<213> Glycine max

<400> 18204

agcttacttt attaagttct ctaaaagtga ctgaggaact tggtgtcttca atgaaaaaca 60

[illegible]

gacaaatcta tccaaggaca atcaggaata ggcaaaggag aataaagtcc atgatgcttg 3

atgttagact tagagttctt acaaacaatg aaattctcaa aatttttttt tacatcatgt 360

ttcatatgaa gccaaaagaa atgctcatgc agc 393

<210> 18205
<211> 393
<212> DNA
<213> Glycine max

<400> 18205

agcttgttat ctcaacctat cacataatat tcttgaaggg gagctgaact tgactggatt 60

gataggcttg cgcacattag acttgtcaaa taacagattt tatggggata ttgggttgaa 120

tttcccttcc atttgtgcca atttagtcgt tgcgaatgtc tcaggtaata aattgactgg 180

tgtgattgaa aactgctttg atcaatgtct caagttgcag tacttggatt tgagcaccaa 240

caatctgagt ggaagcatat ggatgaagtt ttcgaggctc aaagagtttt ctgttgcgga 300

gaaccatcta aatgggacta ttcctttgga agcttttcct ttgaattgta gccttcaaga 360

actagacctt tcacaaaatg gatttgctgg tga 393

<210> 18206
<211> 392
<212> DNA
<213> Glycine max

<400> 18206

[illegible]

[illegible]

[illegible]

catcctgagg tttatgaacg catgcttcgc tccggttggg gccacaatga aaatgtcaag 240

attgattttg gacgatggca agatgttctg cctgagcttg aaacatatga tggtaattgc 300

tattcgtcta atctttatct tcataaacgt caatgcttga ttgcatcatt acacatacta 360

<211> 393
<212> DNA
<213> Glycine max

<400> 18207

ctattgtgta tttggagcgg tataaggctc gtcttgttgt caatggcagg tcttaatagg 60

tgggtatcga ctatgacgag actttcagtc cagtggtaaa accagctact atttgtgtgg 120

tactaagcat tgtcgtgtca aagaattgga ccattcatca acttaatgta aagaatgctt 180

ttctctatag gcacctttct gaaaccgtct acatgcatca gcctcctgga tttcgtgatc 240

gaaatcatcc ggatcatgtc tgtcttctaa agaaatccct atatggcctt aaacaagccc 300

caagagcatg gtaccaacgg tttgcatctt ttctctccac catcggattt gttaatagca 360

agaccgacca ctctctgttt atctatactc atg 393

<210> 18208
<211> 388
<212> DNA
<213> Glycine max

<400> 18208

agctttgtgt gtgattcacg aaagatgatg gagaattgga ctaatgatgg aatgtgctac 60

aacatttaat atattagttg gggatggatg ggtgccaatt catctaaatt gatcctaatc 120

caaagatact tgcatgtgct atatgaacga ggtttcatct tatgaattgc atgcgaagct 180

tttgccacgt acagtgtgaa ataacattct gtattctgtc ctcacgtata taacaaggct 240

acatattgtg aacaccctcg aagcatttga gactaactct tatagaagaa aaaaaatggc 300

tgatacacgt ggatgagatg cagtgagacc attggtgata tttgataaca agtgtggctg 360

cacacttaca tgcactggtg aattcact 388

<210> 18209
<211> 327
<212> DNA
<213> Glycine max

<400> 18209

[illegible]

ccgagagcat tcgatgctca attgcgaggg tttacggcta ttatgcgcac tgaatcgact 240

ttccccgtgac aagtattgac cattcctatt ggtagagagc atctggattt ctagatagaa 300

cgtctggatg tgtgatgcgc cagaatc 327

<210> 18210
<211> 391
<212> DNA
<213> Glycine max

<400> 18210

tgcttgctaa cccatggaag ctcctaatat ctcccacact ttttggggtg ggccattctt 60

ggatggcctt gatttttctca aggtccactt ggacccccatt tctaccaact acaaaaccta 120

agaaaactat attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt 180

tcctaaggac tgaaagaact tgtctgagat gtcctaagtg atcatctagg ctcctactat 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360

attcatacaa accaaacttg gtcttgaaag c 391

<210> 18211
<211> 400
<212> DNA
<213> Glycine max

<400> 18211

agcttcatga ttcaatatcc agcctcacga tatactacga cacaaaatcg gacatccgag 60

ttaaaaagtta tgaaattctg atacccaggg acaaatatcc tacccgaatt cacgacatca 120

ggcttcagaa catgcagatt atatgtgtcc gtatgaacag atttaaacaag ttaaatacac 180

aagagaattg tttacccagt tcggtgcaac ctcacctaca tctgggggct tccaagccag 240

ggaggaaatc cacttttcaat agtgttagtt caaggtctaa cagcccctgt ttacaacctt 300

ctcacctaac cactacccgt gcgatctcta cctaagagcc actcttagat atgagaacct 360

<211> DNA
<213> Glycine max

<400> 18212

agctttttag taaattcaaa tggtcataag ttttcacacg aatgttcgat tcggggacat 60

aactcatcta gacgcctgaa attgaacaac ggaagctctc gagaaattcg aatgctcata 120

agttttcaca cggatgtccg attcggggac ataatatatc gagatgctcg aaattgaaca 180

acggaagctc tcgagaaatt cgaatggtca ccacatttca ctcggatgcc cgattcggga 240

acataatata tcgagacgct cgaaattgaa caacggaagc tctcgagaaa ttcgaatggt 300

cataagtttt cactcgaatg ttcgattcgg tgacataact catctagacg ctcgaaattg 360

aacaacagaa gctctcgaga aattcgaatg gtcatac 397

<211> 18213
<212> 388
<213> Glycine max

<400> 18213

tgcttcttct tcaatgaaac cgtttaaaaa ggcactctta acatcctttt gaaaaagctt 60

aatgtttttg tgagcaacaa aggctaaaat gattcttata acttcaagtc tagcaacatg 120

aacaaaaggtt tcagagaaat ctataacttt ttgttgatta tatcttcaag ctactaacct 180

agcttttgttg catactactt ttccttgttc atccaacttg tttctgaaga ttcatcttgt 240

tccaatggtg ctcttagttt ctggcattgg aacaaatgtc cagacatcat ttttgttaaa 300

ttgattcagt ttttcttcca ttgagattat ttagtcatta tcratcaaag ctttgtctat 360

aagtttaaat ttgatttcaa acacatgg 388

<210> 18214
<211> 393
<212> DNA
<213> Glycine max

<400> 18214

gcttccttca agtcctcctc tttcttgggc tataaggttc aaaatcttgc ttggaacagc 240

aaagggggctt gctcatttgc accactcttt ccgtccaccg atcatccact acaacatata 300

gctaagtaac attttgcttg acgaaaatta caacgccaag atctcagatt ttgggttggc 360

tcggcttctg acaaagctgg accggcatgt gat 393

<210> 18215
<211> 386
<212> DNA
<213> Glycine max

<400> 18215

tagcttggac aacaaaattt gacaactaat agaattatat aaataagaaa taaaaatgta 60

ggataaaatc aaatttatat tctttactta tattcttctt cctatttatt tatgctaaat 120

tgcattgaaa gtgaaatata tacaatatta taattataat aagaattcag aaaatataat 180

ttggtggagt aaaactgtag agtatttaat tttaaataat aaatttatta atgcacaaaa 240

aagaaaaaca tgttggcttt taacaattgt gcaactcttt ttatgttagg tttataattg 300

taatttttag agcacaatct taattatgat ttataaatat ttctggaata ttaatattca 360

aggtatcaaa aaagaaagat atgttc 386

<210> 18216
<211> 361
<212> DNA
<213> Glycine max

<400> 18216

aggttgacca agaattattt gttgggttag atgttgaatt ctggttgttc ctgctacgga 60

gatgatggta cagagggtga accatgagct gaagcttgtt ttggtcaagt aaccatcgaa 120

aagcatagcg tttggaatga ttccgtaaat ttctgagagc tgctggggaa tgcagaaaac 180

gagattaaca cgaaaatata agtttgaatg atgaatgtac agggacgtgt gaagcaacgg 240

tcgaatctgc tttggttcag tatgtgaacg tgctattaat gttaagtgat tcctttgggc 300

<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18217

tagctacaca cacgctcta ataactaagc tcaccttctt gagaatcttc cttaanaaga 60

ttcctaaaga agctagagct tagctacaca cacctctcta atagctaagc tcacctcctt 120

aagatgagaa gctagaactg tgctacacac cccctataat ggctaagctc accccatga 180

caaaatacat gaaaatacaa aaaaagtccc tactacaaag actactcaaa atgcctcgaa 240

atacaaggct aaaatcctat actactagaa tggccaaaat acaaggccta aacgaaggaa 300

aaaacctatt ctaatattta caaagataag cgggctcata cttagcccat gggctcaaaa 360

tctaccctaa ggctcatgag aaccctaggg ccttcccttg gatctctggc ccaatctact 420

tggagtcttc ta 432

<210> 18218
<211> 386
<212> DNA
<213> Glycine max

<400> 18218

agttgataa tacatttttc aaaatcaaaa gttatttttat atcctttatc acacaattga 60

ctaatactta atagactatg ctttaaacct tctacaagta acacattttc aatgggagta 120

aaggaactcg tacctatttt gctgactcca atgattttgc ctttgttgtt gtcaccatat 180

gtaacatgtc cacttttctt ggggtaaatg gttgtgaatt tggatacatc tcctgtcata 240

tgtacggaag atgaagacgt acacacgatt tatactgatt cggccacaaa ccgtgcctac 300

attcagtccc caagcaacct gcgagtcttg agatgtctat caaccttgga aaatcctttа 360

caagccatag atccataagg gatgta 386

<210> 18219
<211> 404
<212> DNA
<213> Glycine max

<400> 18219

tatgtgcgac tctgatgatg aatcagaagc cgtttatgct cggtatatgc ngtgccgcan 60

agataatgtt gagactagca cttggctaga aggaatttac aaaatgaaag aaaaatgggc 120

tagttgctat atgatagatg cttatagtat aagaatgcca agtactcatc ttagtgaaag 180

tttcaatgct agtgtgaaag attatgtcag atcaagctcg catataatgc acattttcaa 240

acattatgag cgagctgtgg atggcaagca atacaatgaa ttagatgctg aatacaataq 300

caggaaaaaa cttcatcggc taatgataga acactcacca ttattaaagc aggttacgca 360

actttacact ccaataatgt taaattccgt tcagaatgaa tatg 404

<210> 18220
<211> 314
<212> DNA
<213> Glycine max

<400> 18220

agcttgaatc ggacatccgt gtgaaaagtt atgaccattt gaatttctca agagcttccg 60

ttgttcaatt tcgaacctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120

tcatgatcat ttgaatttct cgagagcttt cgatgtttaa tttcgagcgt atcgatatat 180

tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaatgt gacgagagct 240

ttcgttgatc aattttcgagt atcactcgat gtgacgcgcc ttaatcggac attcgagtgt 300

aatgttatga ccat 314

<210> 18221
<211> 385
<212> DNA
<213> Glycine max

<400> 18221

agcttcaaga ataatgtgcc tcagcaaact tcttatttcc agaaggaaat tcaatagata 60

tgcctcttat ttttaatgga gagggttacc actactggaa aacctgaatg caaattttca 120

ttgaggcaat agacttaaac atttgggaag ccatagaagt tagaccttat gtacccacct 180

[illegible] 385

cacataatgg aacaactgat gtcaa

<210> 18222
<211> 380
<212> DNA
<213> Glycine max

<400> 18222

attttcctta gagaggtttg gtgctccgtg taggaagaga tggttttgag aagagagaaa 60

gaaaaaataa attcacgagg atgaataatc gaaaaagcta tttatatcta aggtattcac 120

aacctattat ttactctatt gatttattgc tattatttaa tacaaacatt atattttatt 180

ccctattcaa taaataaata aaatattttt tgtatttttct cgaaccatta ttctaattaa 240

taatttttt atctatttaa ttataaaatc tcattatctt ttcaaatctc tatttatttt 300

cgaataacaa tcattgttaa atcagtttat aagaaaaatg aaatgttaca catgtaaatg 360

ccaatatcaa tataactatg 380

<210> 18223
<211> 384
<212> DNA
<213> Glycine max

<400> 18223

[illegible] 60

aagttattgt agttttgaatc tgctcagggc tccgggattc catttcgagc gtctcgatat 120

attacaggac tcaatcggac atcagagtta aaagttattg atgctagaat ttgctcagag 180

[illegible] 240

[illegible] 300

gtattacagg actcaatctt acctccgagt aaaa

<210> 18224
<211> 372
<212> DNA
<213> Glycine max

<400> 18224

[illegible] aaaaaattc taaaaaaat aaaattagc tacaatacc tctctaatat 60

ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tatgatagct 120

aagctgaccc ccatgacaaa aaacatgaaa ataacaaaaa aagtcctttat tacaaagact 180

actcaaaatg ccccgaaata caaggttaaa accctatacg actagaatgg ccaaaatacа 240

aggcccagac gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta 300

gcccatgggc tggaaatcta ccctaaggct catgagaacc ctagggcctt cccttggatc 360

tctagcccaa tc 372

<210> 18225
<211> 319
<212> DNA
<213> Glycine max

<400> 18225

actcaagctg gaccccacgg aagctgctaa tatttcccac acttttggag gcgggccaat 60

cctggatggc caagaattac tcatggtcca cctgtaccgc atttatacca actaccaaac 120

ctaagaaaac tataatatct acacacaatg tacacttacc tatatatgca catatggcgt 180

tattcctaat gactgagaga actagactga gatagcctaa gggaacatga aggctcctac 240

tgtacactga aatatcctct agacaaccta ctgcggatct agttatgaga tcccataaga 300

catgatgcat aagcctcat 319

<210> 18226
<211> 361
<212> DNA
<213> Glycine max

<400> 18226

aacttcaaca tcagactcct tccaaggtgc tggaactact tcacatggac ttgatgggac 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga caccttttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240

<210> 18227
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18227

tgtgtcgcac tggctactgc ggaagttaaa catatttctg cagttagctg angagctcaa 60

agactctgga tgaagcatca acttgaagac tttggagtaa accttgatca cattcctcta 120

aaatgtgaca acacaagtgc gatcaaccta caaaaaaacc ttgtcatgca ttctaggact 180

aaacacatag agataaggca ttatttttctt agaaatcatg tgttaaaagg tgattgttgt 240

attgagttca ttgatagtga gcatcaacta gcagatattg tcactatacc tcttgctaga 300

gataggttct ttttcattag aaatgaacta agcatattag atgcatctag catagaatga 360

tattctgttt gcacagtgtg tgtgattgac attgctactc atataat 407

<210> 18228
<211> 429
<212> DNA
<213> Glycine max

<400> 18228

gtccacaaca cctataaagt agggttgcca agccaacaat cattcagtct atatggtcct 60

gggccctaat cttataatga actttacaag atgatcggac aatggttgaa aaagttccta 120

tccaatacca caagcaagct ccctttccat gtgtcaaccc attcccttga agtcaaacgt 180

ctatctaata cactcatggt cttaccattt ggatgaaacc atgtgaattt tctccccaca 240

aatggaatat ctaccatatt catatccaag ataaattcat taaactcttt atttatcccc 300

ccatgaggat gtgtattatc actttttctt tgatgcatac cacatacact attaaaatct 360

ccaatagggc accaatgatc aatgctactc ccactcctte tacctatgag ttcctaccac 420

att[illegible] 429

<210> [illegible]
<211> [illegible]
<212> [illegible]
<213> Glycine max

<223> unsure at all n locations
<400> 18229

agcttctttn tgttggcagt taaggaacta gtgaagcata gacaaccaaa tactcttaaa 60

gaactaatat catagggggt tccatagagt ttctcatagg gagttttgtt accaagaaaa 120

gtagtaggta tgcagttaac aagaatacca aagtgaatta aagcataaga ccaacaaatg 180

aaaggtaaat tagattgaaa caacaaggat ctagtaacat taagcaagtg ttgatgcttt 240

ctttctacaa ttcratttta ttgaggtgtt tcaacgcagg aagtttggtg tataattcca 300

atttcatcat agaattgtct tagaatgaat tctgatccat tgtctgatct aatcattttc 360

acctttatat caaact 376

<210> 18230
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18230

ctagcatcaa tgacagacca tttttaataa atgagtgatt tgctcnaatt catgctttta 60

tactatcatg tatatacccc caaaattatt agagtgtggc aacaatgtct ttgatagtac 120

aaagtcaaca atatagataa tatgtaaata aatatgttgt ctacaaaaat caatgctacg 180

aagacatgtg taaatgactc ttgagaacat cacatataaa tagagatatt ctaacatatt 240

tttatttatt tatttaagtg taaataaagg agaaaagaaa taaataagat aaaaatatta 300

[illegible] 360

[illegible] 420

[illegible] 458

<210> 18231
<211> 363
<212> DNA
<213> Glycine max

<400> 18231

[illegible]

[illegible]

aaaaaaccaa tcaagaaaat aagaatagat tattacagct aaccaatcaa caagcctttc 120

aagtagccat gcttgagatt gcttgtccac ataaaatatt tcaattaact cccacgcagc 240

tttcaaagat gtaggctctt cacctctcta tattatgtgt aatgtgttaa aaagcaagtg 300

attaacttct cggtatcata attcccacaa agcagatctc agctcagcta aacacggtaa 360

aac 363

<210> 18232
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18232

gcgattcact cgtcccggga tcttagagtc actgtatgct gcaagcttct acattcaatt 60

tcgagcgtct cgatatgtta ccggacccaa tgagacatcc cagtaaaaag ttattgtcgt 120

ttgaattggc tgaaatcttt aacaattaat ttccagcgtc tcgatatgtt acggtacttc 180

atcagacatt cgagtaaaaa gttattgtcg tttgaattaa ctcagagctt caacattcaa 240

tntcgagcgt ctcgatatat tacgagcctc aatcagacat ccgagtaaaa agttattgtc 300

gtttgaacta gctcagagat tcaacattga atttcgagcc tctcgatata ttacgagact 360

caatcagaca 370

<210> 18233
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18233

ctcagcttga gccattcnac aacataactt ttactcattg tctgattgag tcccgtaaca 60

tatcgagacg ctcgagattg aatgttgaac ttttgagcta attcaaaacga caataacatt 120

tttctcggat gtctggttga gtcccgtagc atatcgagac gcttcgaaatt gaatgttgaa 180

[illegible] 417

[illegible]

aaactctaag ccaattcaca caacaataac tttgtactcc gatgtctgat tgagtt 414

<210> 18234
<211> 410
<212> DNA
<213> Glycine max

<400> 18234

ngttcacccc atgtcgaatg cgcttttttn gagcttttca nagtaccact aattgttctc 60

cttatgaaga tgagcatggg tttaacccac taactcctct tgacctttcg cctaatgctg 120

ctgtttataa ccataaagaa cgtcaagcaa aggcggacta tgagaaaaag cttcatgaga 180

gagtcacaga tcaaattgag aggaaaagta acagctatgc taaacaagcc aacaaaggga 240

gaaagatggt tgtcttctaa cccggagatt gcgcacgggt gcacatgaga taagaaacgt 300

ttcctgaaca gaggaaatca aagcttcaac caaggcgaga tggaccattt caagtgctcg 360

acagaatcaa tgacaatgct tacaaaattg agctgcccgg tgagtataat 410

<210> 18235
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18235

ntctttaact cggatgtccg attcaggcgc ataatatatc gagacacttg atattgaata 60

acaqaagctc tcgagaaatt cgaatggtca taacttttca cacggatgtc cgattcgggc 120

gcataatatg tcgagacgct cgaaattgaa caacggaagc tctcgagaaa tcctaatggc 180

catcactttt cactcggagg accgattcat gcgcataata tatctagacg ctcgaaattg 240

aaaaacggaa gctcccgaga aattcaaatg gtcataactt ttaactcgga ggtccgattc 300

atgcgcataa tatatcgaga cgctcgaata tgaacactcg aagctctc 348

<210> 18236
<211> 416
<212> DNA
<213> [illegible]

[illegible]

tacatcgaaa cgctcgaaat tgaaaacaga agctctgtgc aaattcaaac gacaatacat 120

tttaactcgg atgtccgatt gagtcccgta atatatcaag acactcgaaa ttgagaataa 180

aagctctgaa caaattcaaa cgacaataac tttttactcg gatgtgcgat tgagtccagt 240

aatatatcta gacactcgaa attgagaata gaagagctga gcaaattcaa acgacaataa 300

ctttttactc ggatgtccga tggagtcccg agcgtctcga tatattatgc gcctaagttg 360

gacatccgag tgagaagtca tgacaattat aattgctcga aagcttacat tgttca 416

<210> 18237
<211> 368
<212> DNA
<213> Glycine max

<400> 18237

agcttttaaa tattattatg ttttacgtaa ttatttttt agtcccgaaa aaaactattg 60

ttattaatcc ctcaatttgt ggcgatttgt caagtcaaaa atatttttta atggaatttc 120

tctaaagata attagttggc tatttaaaat agtcgtaata tgtaaaagat tacgataatt 180

ctatatcaat tatgtatttt tcttctttaa accaatagat atgtaaaaaa tgattatcaa 240

accattcgag tcaaaatattt tagtggatta gaatcgctaa aaatcatttt taaaaaaatt 300

tatgataatg gtgatggtta aaaatcatta taaatcgtga aactataaat aaattatata 360

aagagaga 368

<210> 18238
<211> 430
<212> DNA
<213> Glycine max

<220> <223> unsure at all n locations

<400> 18238

tcacaaaagt ttatatgact tganacaagc acegagtcag tnggactaga agnntaatga 60

gttttatgagc aactcaggat tcagaagatg tgacatggac cattgctgct atgttaagaa 120

atatactaat agttangtta tttttgtcga ttangttaat gacnatgtga ttgcaggatc 180

[illegible] 360

ctttgaagccg tctcaggaga tatatatacg cnaattgctt ttcagtttct acctttgttc 420

ttcttaagacc aggaatgccc tttcgggatc tcatttgaag tttcaaagaa gcaatctatg 480

cagacagatg 498

<210> 18239
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18239

tactccacaa tgttctccan aaatgttttt ggaacttggt atccctatca cttattatgc 60

tcatgcacag tccatagagt gtcaccacct ccttgtaaaa taagtcagcg acatggaaag 120

catcatcaac ctttttgcaa ggtataaaat gagtcatttt tgaaaacttg tcaataacca 180

caaaaacaaa atctttgcca ctctttgttc taggcaatcc caaaacaaag ttcatagata 240

tgtcaatcca aggaaaatta ggaacaagca aaggatgata taaattaagt ggcttcactt 300

ttgattnttc ctttttacaa acaatgcatt gttcatagta tttatgcaca tcacgtttca 360

tatggggata ataaaatgct catgcaatgt ttcttaagtc ttttgcatgc caaaatgccc 420

catcaaa 427

<210> 18240
<211> 285
<212> DNA
<213> Glycine max

<400> 18240

acccagtccc cctcattaag aactagctcc tttcttccta tattgccctt agttaaatac 60

accctttgctt ggatctctat ttgggtctta accctctcat gcdaccttgt tacaaactct 120

gacctagatt ccccttcttt atgtataaaa gaagtgtcaa gagggatggg aatgaggtct 180

accggtgtta agggattgaa cccatagaca acctcaaaag gggattgctt ggtggttcta 240

tgaacccctc tattgtaggc aaattctaca tgaggaagat actca 285

<400> 18241

ttttgcaagtt tgttcatttcc gaagagaaaa aaaatagagt tgtcatagga taaaaatgaa 60

ttctttatag ttggagtaaa acgggaattg aataaattaa atgattaatt attgtttttt 120

cttgtaagaa ttaatgtctc atgtgatagg catatgactt atgtagagaa taataagtaa 180

ataattaacg attaagggct aaattgtaat tgggcttaat atgagaagta tctagagcta 240

actgctactt gatgggagta gtgattataa atgggggata atacccacta acgttaaata 300

aggtcccctt cctgactaga aagtgtgctc tctcacctat agtcattacg aacggagaga 360

gaca 364

<210> 18242
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18242

tttcaagttt taacctttaa acaaactaac taatatataa tttcaaattt taatgataaa 60

aatctaatac aacaacaatt aaactaatat aggttatatt gttactcatt taatatgaaa 120

atatattaga tataaaatgt ttttcaaact aactaaataa aagagtggat gcatgtgtag 180

gttaatagcc tataactaaa acctttataa cataacattt gtttttctcg agaaaacatc 240

tcacttgttt taaggtgttg ctacgtgtac caatcatatt acttgtgcac ccagcacaaa 300

aaatttaatt tcgaaaatgc tcttattngc ttttttcttcc ctttaagttt cntttttnac 360

aataacacag tcattctttc atttt 385

<210> 18243

<211> 416
<212> DNA
<213> Glycine max

<400> 18243

[illegible] 60

[illegible] 120

[illegible] 180

gatggtcgga ggtcgaaccc ttagcaaaca taacaaccta tgtcatccaa aaattcttct 240

ggaagaatat cattacacgc tttagaattt caaacacatt ggtaaaaaaa atggtttaca 300

attcacagaa tgaatgctca atgagttctt aagcagcctc gaaatcaaac attgggtgac 360

gtttgtagaa caccccaaa ccaattatca atctaaagca gccaacaaga taattc 416

<210> 18244
<211> 365
<212> DNA
<213> Glycine max

<400> 18244

agtttggaaa ctctttggca agatacatcc agattttccc attgacccgc ggaatgtgcg 60

acttggttta tgcatagatg gatttatata caatcattat cttcaccttа tttggcttgg 120

tcaatcattg ttaccccata caatcttcct ccagaaatgt gtatgactaa accttatatg 180

tgtatcaaga ctaaaccttа tatattcaaa gttcaatgag caatttagga aacatggatt 240

tgaacatgat gcatctatgg tgagaaattc aattctagca aatccaccaa accgtttagt 300

caaatttcta cttaagagcc atcaaacttt aatcaggaga gaaaaatata gagagagact 360

ttatt 365

<210> 18245
<211> 386
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18245

[illegible] 60

gagcttcaat ttcactgtct ttgtgtgagg gtaatttctc tctctataga cattatttgc 120

aaatcccaac tgtgagaatg tgaggaaata agttctgaag ttgatgtccc aatttcagaa 180

caatcgaacg gttaacgagt ctgggatcat aatttactg ggataggttt gggtgtatgc 240

gggaaaaaga gagggttatg gaagataaag aagggagaat gaatttgaaa gacaggaaga 300

<210> 18246
<211> 383
<212> DNA
<213> Glycine max

<400> 18246

agtttgagaa tggagaattg cacaaagcaa tcactacgca tggctccaaa gtcgaaggtt 60

taaaacacat gaacgaaaac gcaattcatg gggctccgaa aaaggggtta caatggagaa 120

ttgcactaat caatcactac gcatggctcc aaactcgaag gtggaggaca catgaacgaa 180

aacgcaattc atggggctcc gaaaaagggg ttgagaatgg agaattgcac taagcaatca 240

ctacgcatgg ctccaaactc gaaggtggag gacgcatgaa cgaaaactca attcatgggg 300

ctccgaaaaa gggtgagaat ggagaattgc actaagaaat cactacgcaa agtttcaaac 360

tcgaaggtgg aggacacatg aac 383

<210> 18247
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18247

abcttcggct tgcaagtttg taggcgtngg atgttcttca tcaatggagt catttgcttc 60

ttgaagatca tggcagcgga atagagaagg aagaaagatg attggagacc ccactctagg 120

agatgatgag tcaagaagaa gctcaccacc acaggaagcc atggataaga gcttgaagga 180

aggcgaatat gagtggaggg agagggagag aatgggcacg atatttatg cctcanatga 240

ggtctgaact ttgaagtgta attctcaaat gatcaaagtt caaaaaatgc acacacatgg 300

ccngnattta tagcctaagt gtcacacata attggagaca aatttgaatt tctattcaaa 360

ttcactcgaa tttgaaattg aatt

<210> 18248
<211> 392
<212> DNA
<213> Glycine max

ttcacccgac gaagacactg acaaaaagtt atcttctcct ttttggacaa agtatgaaag 120

ctaggggcaa gtaaattttc ttcccatcag accttggatg caactgtgat cgtatcccca 180

tctcaactag atcttgacgg gtattcaagc catccttcgt cttgccctaa atgttaagga 240

gcgtcccaat cacactgtca catacatttt tctcgacatg cataacatta atacaatgtc 300

taacgtctag atcagaccag tatggaagat aaaagaaaat gaacctcttt cttcatatgc 360

aagtcttact tttattcttc ttttgggtct tt 392

<210> 18249
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18249

agtttaagct tttntaactg cataaggctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgac gaagacactg acaaaaagtt atcttctcct ttttggacaa agtatgacag 120

ctaggggcaa gntaaatttc ttcccatcag accttggatg caactgtgat cgtatcccca 180

tctcaactag atcttgacgg gtattcaagc catccttcgt cttgccctaa atgttaagga 240

gcgtcccaat cacactgtca catacattnt tctcgacatg cataacatta atacaatgtc 300

taacgtctag atcagaccag tatggaagat aaaagaaaat gaacctcttc nttcatatgc 360

aagtcttaac tttattcttc ttttgg 386

<210> 18250
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18250

tgtagaagca aaaggccagc tatggttttc aaggtgtatt ttgaaaaggc ctatgactca 60

gtcttatggg cttttttgga ttatatgcta caaagaatgg gtttttgtcc caaatggaga 120

[illegible] 360

ctaggataac aaatggttgt cattntgaga tgattaatac actggcttag tacttcaatt 420

tattctttag aaccaataag gagactgagt atttaaagta aaaatataga ggacttccat 438

anttttggaaa catgaatg

<210> 18251
<211> 429
<212> DNA
<213> Glycine max

<400> 18251

tatgctgcat acatttataa tagacccccc cttctttaaa accaacaaca gcagaataat 60

gatgatcttt caagcaacag atacaatcca ggttggataa atcatccaaa tctgagatgg 120

gtaagtcctc cacaacaaca acagcctgtc cctcccttcc agaatgttgc tggtccaagc 180

aagccatatg ttcctcctcc aatatagcag caacaacaac aaagacaaca agcaactgag 240

gctcctcctc aaccttcctt agaagagtta gtgagtcaaa tgaccatcca gaatatgaaa 300

tttcagtaag agacaagagc ctccattcag agtctgacaa atcagataag gcagaatgct 360

actcagttga accaagctca gtccaaaatt cttacacatt gccttcacat actgtgtaga 420

atctgaaaa 429

<210> 18252
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18252

agttctctag ttgtttttgg attgnacatt tcaatacttg gtaaaatgtg ataatgggct 60

ttaataaatc atttgggagt gatatttaat tattgtaaat tattggccga gtggtctacc 120

tagagggaga tcccaataat tctagtgatg atttgtggaa ttaacttgct gtatgatgcc 180

attcaattgt gaacatgagt tgataattgt gaaattgggt ccagagggat tgaccctgat 240

gtcaagttcca ttggacttta taggccaaag atgttccgca ttaaatggat ccttgcttat 300

<210> 18253
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18253

nttaactgaa tttgcaatgt tccaattgtt ttttaattgg tgtaatcgat tacaatatat t 60

tggtaatcga ttaccagtgt atctaaacgt tgaaattcaa attcaattgt gaagagtcac 120

atctttttcat aaaatgcttt gtgtaatcga ttacatggtt ttggtaatcg attgccagtg 180

acaagttttg aataaaaatc aagagatgta actcttccaa tgcttttctc aggatttttct 240

caaggttata actcttccag tgattttctt gaccagacat gaagagtcta taaaagcaag 300

accttgattt gcattntaat aacttcttca taacttttntg aacgtctttn tgaacttctt 360

cttcttcttc ttcctttgcc aaaagctttc taaagttttt ggtttctaaa ccttgttctt 420

tcacagaaaa caaaagt 437

<210> 18254
<211> 365
<212> DNA
<213> Glycine max

<400> 18254

agtttgccat gaatcgtgcc atgtgtacta gtaaagaggc tgucataatc ctgtcataaa 60

agacaaccat aaactaaaat aagcatatgt gatcagtgtc aaaataaaac caaccattta 120

caaaaccaat taagaaaata agaatagatt attacagcta accaatcaac aagcctttca 180

agtaaccatg cttuacattg cttgtccaca taaaatattt caatttaact ccaccccagct 240

ttcaaagatg taggctcttc acctctctat attatgtgta atgcgttaaa aagcaaatga 300

ttaacttctc ggtatcataa ttcccacaag cagatctcag ctcagctaaa cacgtgaaac 360

aaatt 365

<210> [illegible]

gtgcagaaga aaatgagaaa tttaacaaac attgtgttgt tatgtttttc attttaatt 60

gtaatgttag ttttaggggg aatgtatttt aggtaaaatg tgtaatagca gcttttgata 120

ttgtaatttgt tgttttgctg aagaatttgt agtaggaagt agcttttgta gtgtaatagc 180

agcttttgtt gctactgtca attgttgttt tgctgaagaa tttgtaatag gaagtagctt 240

ttgtagtgta atagcagctt ttgttgctac tgtcaattac ccatttcaat taaatataat 300

ttgttggtga aatttgtttgc tgaaatttgc agtgtattaa atataattta ataaaagata 360

gagaattatg taataagacg cagctcataa tgtatgttgg gatggattgt actactccaa 420

ct 422

<210> 18256
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18256

agttttacat atttccaact aaaatgggtc tgtcttgcaa taagattgta cttgtttgat 60

gatccagatc atatgatggc aatgaagatg atcaaccaag cactgtgagg aaggggaaaa 120

taaagtcttt cacttcttat tgtggtggac ttccatctcc tgaagctgct aacaatccat 180

tagcatataa attcaggtac ttcttggaat gtctttgtca aactcaagag taaggatacc 240

gaattatgta tttaattaga catgatttat aaaacatttg aatatcttag tgtaagtttc 300

caaaacccaa tgcttttgaa ctctctgctn tgtagtattt tcatctggct aaccattcaa 360

gtatagtatg tcaca 375

<210> [illegible]

<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18257

ggtttgctat atgaggtgaa acaattttct tcgaagaact ttgaratgaa tgatatggga 240

gaggcatctc atgtaattgg cattaagatc catagggcaa gatcttcgagg cattttgggt 300

ttgtctcaag agacttatat taacaaagtt tcacagagat ttacatgaa 349

<210> 18258
<211> 402
<212> DNA
<213> Glycine max

<400> 18258

ttcacacttc catgtcgaat aggcaataaa ccttcgcttg atattgatcc tcctaatgag 60

actatgcagc tcattcttgt tttgaggtgg cctcacttcc aacattgctt tagctttatt 120

tttatctgtc ttgattcttc tttgatggaa aaggaaaccc aaaaagtttc cagttgatac 180

tccaaaagca catttctcaa gattcatttc taagtttatg aaacctcatc cttaaaagag 240

aatcttccaa atcaccaagt gtttttcaaa attggatgac ttaacaacca catcatcaat 300

gtaaacctcc atcaatttgc taatcaattc atggaaaata acattcctag cccattgata 360

ggtagctcct aaattcttca aaccgaatga cattaccaat ca 402

<210> 18259
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18259

agttttgaaa ttattcaaat ggtcataact tttcactcag aggtccgatt caggcgcata 60

atatatcgag acgctcgaaa ttgaacaatg gaaactcttg agcaatttaa atggttaac 119

tttttactca gatgtcctat tcaggcaaat aatatatcga gacgctcaaa attgaacaac 180

agaagctctc gagaaattca aatggtcata acttttaact cggaggtctg attgaggcgc 240

attatatatc aagacgctcg aaattgaaca atggaagctc ttgagcaatt caaatggtca 300

taaattttca atcggaggtc ctattaaggc gcataaatata tcgagacgct cgatattgag 360

<210> 18260
<211> 410
<212> DNA
<213> Glycine max

<400> 18260

tccattgttc aatttcgagg gtctcgatat attatgtgtt ttaatgagac ctccgagtga 60

aaagttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120

atattatgcg cctcaatcgg acctccgagt caaaagttat gaccatttga atttctcgag 180

agttccgtt attcaatttc gagcgtctcg atatattatg cgcctgaatc ggacctccga 240

gataaaagtt atgaccattt gaattgctca agagcttcca ttgctcaata tcgagcatct 300

cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgactat ttgaattgct 360

taagagcttc cattgttcaa tttcgagcgt ctcgatatat tatgcgtttg 410

<210> 18261
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18261

tnnacatcag accacttcca gggtgctgga actacttcac atggacttga tggggcctat 60

gcnagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240

cagagagttt gaaaacggca agtttactga attctgcaca tctgaaggca tcactcatga 300

gttgtgtgca gccatcacac cacaacanaa tggcatagtt gaaaggaaaa acaggacttt 360

gcaagaaagt gccagggtca tgcttcatgc cnaagaactt ccctatgatc ttgtgggctga 420

439

agccatgaac acagcatgc

<210> 18262
<211> 425
<212> DNA
<213> [illegible]

[illegible]

gtgtgatcat ttcaaatatc gtaatcttct tatccttcaa [illegible]

ttttgatgag atcatttatc ctactgagca atgtgggggc ttctttccta atgctagagc 120

taatgtcttt ggtagcatga ttgatgtgtg tttcttgttt gatgtttact ccatcagtag 180

ttttttcact tggtaaaaaa ggtgtagaaa taatgttatc atctcccgta tgttggataa 240

atgcttgact agtgatactt ggaagaatat gtttcctaat gcttatgtgg aggttctttg 300

caggatgcat tcaaatcata atcctctatt cttgagatgt gatcgtcaag agaatagagg 360

tgtcaaacct tttatattcg aagcaacgtg aaccactcac ccacaataca agattgtggt 420

425

tgcta

<210> 18263
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18263

ntcaatgctc ttaagcaaaa gttaaccaat gccccccatac ttgctttgcc aaatttttca 60

aaatcttttg aaattgaatg tgatgcttca aatgttggga ttggggctgt attgttacaa 120

gaaggtcatc taattgctta ttttagtcaa aaattaagtg gtcctaccct taactattct 180

acttatgata aggagttgta tgccttagtg agagcgttga aaacatgaca acgctatctt 240

tatcctaagg agtttgtgat ccatagtgac catgagtccc taaaatactt aaaaggacaa 300

gctaagctaa acaaaaggca tgccaaatgg gtgaaatttc ttgagcaatt tccttatgtt 360

attaaacata aaaagggaaa aggaaatatt gttgcggatg ccttgtcaag gagacacttt 420

444

ntgctnnctg tgcttgaaac aaaa

<210> 18264
<211> 423
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 18264

[illegible]

aaaaaaaaac ttcatagtgc cacccccaat tatcccacct atgataaaga gcttcatccc 120

atcaataagag ccctccaaac ttgggaacat tacacttgttt ccaaggaatc tgtcattcat 240

agtgatcatc aatcactaaa gtacattaga gggcaaagca agttaaacaa gaggcatgca 300

aaatgggtag agagccatga gggtgggctc atgggccact ntgggataga caagacccct 360

gttttactca nagaaaaagt ttattggccc catatgaaga aagatgtcca taagcattgc 420

act 423

<210> 18265
<211> 384
<212> DNA
<213> Glycine max

<400> 18265

agtttgacta gttggtttta tttggggtga ttttttgggtc tggattttaa gaaaggttta 60

tgttatgttt tatttttatt taattgattg tggagatctt aaatcttggg ataagaaggc 120

ttatgttgtg ttttgttttg ttttaatcga ttgtggagat cttgaatatg gagaaaagat 180

ggatttatgt tgtgtttttа ttttgtttta attgaatgtg gagatcttga atatggagaa 240

gttgaatttg agatatcatt catgtttcta tctttttaac ttcaattaat tttgacatgt 300

tttaaactgc caaaaaattg taatttgatt ttctgaatga atactagagg gtttaaaaac 360

tactgaaatt gtaatttccg aatg 384

<210> 18266
<211> 371
<212> DNA
<213> Glycine max

<400> 18266

agcttccaag atgcactgta ccttaacaag ctccaagtta aaggcgaggt ttatgatcct 60

tctgtgaagg gcccactggt caccctcgag gcccacaaag ccctgtccaa agagcaactc 120

gactgacggg tgaacggaac tttcacatac tcccgcgccg tgttcatgag cacctcctta 180

atcatgtcct gttcagttac cgccaacggc agcgtccgaa cgaaccaata caaaaaagtt 240

tgtaacggaa gatttatt 258

tctgatgtat 1 271

<210> 18267
<211> 406
<212> DNA
<213> Glycine max

<400> 18267

cagtagatga agatgaatcc gtggccttct ttggactcct ctaaggacaa tagcatcatt 60

tcttgcactg aattgttggg agttggaagt catcttctca atcaaattcc accactggca 120

gtatcaatca tactcctctc catgttgcta agtccctcat agaaatattg aagaaggagt 180

tgctcagaaa tctggtggtg aggatagctt gcacacaatt tcttgaatct ttcccagtac 240

tcatacaagc tctctccact aagttgcctg atgcctgaaa tgtctttttct gatggcagtg 300

gtcctagatg cagggaagaa tttctccaag aacaccctct taaggtcatc ccagctgata 360

atggacctgc gagcaaggta gtagagccca atttttgcca ctccct 406

<210> 18268
<211> 433
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18268

ttcaaaattg atagtggcct gtcacttgat atttttatat gcgaatggga catccttctt 60

tgaagattac taaattggtt tcaaataata gtagtaggaa taatgactat gaaaataagg 120

catgtgatgt ttgccaaagg gctaagcaaa ctcgagatag ctttcctttа aacaataata 180

atgcagcaga tgtgttgag ttagttcatt gtgacatgta ggggccttat aaaactccat 240

tttcatgtgg tgcttattat ttttttaacta tagtggatga ttattctcga gcaatttgga 300

ttttcttgtt gttagataaa agggaagcac ctcgtgcttt gntgaattta attgcattag 360

tagacaaaca atatgaaaag gagggtaata tgattcgaag tgataatgga accgaattac 420

atgtttgcga act 433

<400> 18269

agtttgccgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agaagagcaag aaatgaagag ccaatggttg atacatggac ggagataaaa agatcatgag 120

gaagcggtat gtgccggcta gttactcaag ggacttgaaa ttcaagcttcc aaaaactaac 180

ccaaggcaac aaggggggttg aggagtagtt caaggaaatg gatgtgctca tgattcaagc 240

aaatattgaa gaagatgagg aggtaactat ggctcgattt cttaatggtt tgactaatga 300

tatccgtgat attgttgagc tgcaggagtt tgttgaaatg gattatttgc ttcacaaagc 360

aatccaagtg gagcaacaat t 381

<210> 18270
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18270

tcgtgtgaat gtccacgctc tntcccttaa tacttgtatt actacgctcc catattttctc 60

tgtatacata tattctcaat ttaatgtatg tgtcatgtgt gtatacacgc tatgctctag 120

ctatctagtc aaatgtaatt gtatccatga ccatatatac acattaaaaa gaagataaaa 180

catatttttt tctcgtatat tttcgttcaa acttaatgtt aatttttgta ttaaataggt 240

gaaatgtaag agactaaata cacttgattg ttttaataaa gtatagagat taattagaag 300

tacaaggatt aaaaatataa tttatcttta tgacaaacaa ctgaaaatca atatgagatt 360

taaatttaatt aattatatat tatttcatg 389

<210> 18271

<211> 425
<212> DNA
<213> Glycine max

<400> 18271

[illegible]

[illegible]

[illegible]

ttagggtcga gtttcttctc ttgtggattg taaattctta ctttaaacaa acatcccaaa 240

atgcgtatat gtcgcaaact tggtttccaa cccttgaata gctcaaaagg tgtctttgag 300

acaatcttgg ttggaactcg gtttaatata tacgcaaccg tcttaagagc atcaatccaa 360

aaaaattgag gaagctttac attactcctt atgcttctca ccatgtctaa taagggtcga 420

tttct 425

<210> 18272
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18272

cattatcttc atcatgaatg aaagcaatgc atcattcatt gtgatttaaa gtcatgcaat 60

gtccttcttg atgatgacat gactgctcat gtgagcaatt ttggcatagc aagacttatc 120

tcaatcatca atgcctacca cttctaagca aacaattaca attggaataa aggggactgt 180

tggctatgct cctccgggta tgttctaaaa tctaaactgg tgaatgaatc agnntttctt 240

tgaatccccc atttttttat aaacacttta tatttactaa atacaaagta ttga 294

<210> 18273
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18273

gtcgtgatat tgaaatggtc ataacccttc acacgtatgt ttgatttatg cgcattatat 60

atagacaacc tccaaaattga tcaccggaag cttctgacaa attgactggg acataactta 120

tcacaccgag gtccgataca tgaacatccc atatcgatac gctcgatatt gaacaaccga 180

agctgtcgtg aaccggaaat ggtcataacc cttcacacgg atgtacgatt catgcgcatc 240

agatatggag atgcctgata ctgaacaacg gaggctctcg agacactaac attgtcataa 300

[illegible] 360

[illegible] 414

acatcatata ttgagatgcc c

<210> 18274
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18274

agttttgaat tghgtgtcgn tgtcagtgac aatggcgtat gggaggccgt acctgcatat 60

gaagtgcttc caagtgaatt tttccacctc gttggtcgta atttcaccat tggtcttttt 120

tctatccact tagtaaaata gttgatggca actagtaagt acttgacagc tcctagagcc 180

tttggcagtg gtcccagtat gttctttccc cacctgngga agggtaaagt ggagctaaga 240

ctgtgaaggt tgtcaggagg agtgtgtggc acgtctgcaa actcttgaca tcgtctgcat 300

ctcctagtaa agtcg 315

<210> 18275
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18275

tcattaagaa gattcgtaaa gaagctagag cttagctaca catacctctc taatagctaa 60

gttcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaaaac atgaaaataa aaaaaaagtc cttattacaa agacaactca 180

aaatgccccg aaatacaagg ctaaaacccc atactactag aatggccaaa atacaaggcc 240

ttgacgaagg aaaaacctat tctaatattt acaaagataa gcgggctcat acttagccca 300

tgggctcgaa atctaccctg aggttcatga gaatcctang gtctttcctt ggatctctag 360

cccaatctac ttgagtcttc ta 382

<210> 18276
<211> 360
<212> DNA
<213> Glycine max

[illegible]

[illegible]catgt ctggtcaaga acaccatatt aagagttaca acctttagaa aaactttaaa 120

accattggaa gaggtacatc tttggatgtt aattcaaaac ttatcactgg taatcgacta 180

ccaaatcatt gttgatagtg cttatctcta ctgagtttat aaaagattgg ctaaagtttt 240

gttaaaacat aggcacttag actatgaatg aaagctggag ttgcttgtca tgatgtgcaa 300

cgttatgtct aaaaataaga tcgggctgca caatgcacac tgcattacga aatgtcaaat 360

<210> 18277
<211> 370
<212> DNA
<213> Glycine max

<400> 18277

agcttttgac ggactatacc ttgctctagg aaccagggac ggagaaagat ctatatatag 60

gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcatgaaaa agatatcaag gaaaggtgga aggcgtattt 180

ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240

ggaccggaac tataagtact atcgtcggat tcagaaacag gaagtaaagg aagcgttgaa 300

aagaatgagt aatggtaagg cggtggggcc agacaacata cctattgaag tgtggaaaac 360

tcttggagat 370

<210> 18278
<211> 435
<212> DNA
<213> Glycine max

<220> [illegible]sure at all N locations
<400> 18278

[illegible]tcttcngt tgttcaattt cnaagcgtctg gatatattat gtctcaaatt cttacatccg 60

tgtgaaaagt tatgaccatt agaatttctc gagagcttcc gttgttcaat ttcaagagtc 120

tagatgagtt atgtacgcga atcgaacatc tgtgtgaaaa gttatgacca ttcaaatatc 180

ttgagtgctt ccgttgtgca atttcgagca tcttgatata ttatgttcca aatttggaca 240

[illegible]

ttcttgagt gcttacgttg tgcaatttcg agcgtctcga tatattatgt ccaaatttgc 42

435

gagatccgtg tgaaa

<210> 18279
<211> 394
<212> DNA
<213> Glycine max

<400> 18279

tttgcatcca atacccttgat atgatgtttt catatgtttt taaaacggga ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacattcg aaagaatttc 120

acattgtctg ctccaccatg aaacccccag atgtccaaga ggatcacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcca aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga gaaatttttc cctgcttcca 300

ggaccacagc catcaagaag gatatctcat gtattagaca actcagtgga gagagcctgt 360

atgagtactg ggagagattt aagaaactat gtgc 394

<210> 18280
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18280

agctttgtat gtgttcaagc atatagcaaa tcctatctat atatctgcaa aatcattntc 60

aggatctgat aacttcttat cagacgttag ttcatcattg aatttaacat ggatggattc 120

ttctacaact aaagttcttg tactaaaaac ttatatgctt tagatgtatt agataaacca 180

acaaaaattcc ctttgtccac tttggaatca aacttagcaa gttgatcttt agtgttcatg 240

ataaagcact cacatccaaa tggatgagag tatgaaatat tgggtcttct tcctctctat 300

ggatcatacg gagacttttt tatcaatggt ctgatcaata ttctattcta aacatagcaa 360

gttgtattta ctacttgtgc tcaaagtact t 391

<400> 18281

tcatgagaaa gtaaaagatc aaattgagag gaaaaatatt tgttatgtta aacaagccaa 60

cgaagggaga aagaaagttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120

agaaaggttt tcggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180

agtgcttgaa atgatcaatg acaataatta caaagttgag ctacccggtg agtataatgt 240

tagttccacc ttcaatgtat ctgacttatc tcttttttgat gcaaatggag aatccgattt 300

gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360

ggatccactt gaaggacttg gaggacctat gacaaggtct agagcaagga aagcaaagga 420

agctcttc 428

<210> 18282
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18282

ttaagaatta tggcctcatt ttactatctg tttcccgatg gaaatnctat aaatagacct 60

ttcatctttta atggagtggg ttatcactac tggaaaaccc gcatgcaaat ctttatagag 120

gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180

gctgcaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300

tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca agtaacacat 360

gaaggcacaa cagatgttaa aagatctatg ataaacactt taactcgtga atatg 415

<210> 18283
<211> 408
<212> DNA
<213> Glycine max

<400> 18283

taactcaaga tcaagccttg ccttaaaaca aagtgctttc aagacattca aggctctggt 240

aatcgattac caggcagtgt aatcgattac cagaagacag ggttgagaaa tagctgttga 300

aaagggtttt ggaattgaat tttcaagatg taatcgatta ccatatgtct gtaatcgatt 360

accagcaacg aaactcctga gattcacatt caaaagtcat gacccttc 408

<210> 18284
<211> 428
<212> DNA
<213> Glycine max

<400> 18284

tccttcaatt ctggaatcaa ttgccatttc agttgagata tagccatcat aattgatttg 60

gaaagagagt cagcaactac attctctttt cctggcttgt actcaattgt gaaatcataa 120

cccgtcaact tatgtatcta gttctgttgc tcaagagtgt gcacaacttg attatttagt 180

gatctgaggc tcttttgatc agtcctaatg gtaaatttgt gaccaagtag gtagtgtcta 240

aatttagcta tggttgtcgt aatagcaaag aattcccttg catatgctaa ttttttttg 300

cattctcgca ttcaattttt ttgaaaaata agcaatagga tggtgcattt ggctcataat 360

agcagctaga ccaattccag aagcatccgt ttctaaggtg aatgggtgtg aaaattatgg 420

taaagcca 428

<210> 18285
<211> 376
<212> DNA
<213> Glycine max

<400> 18285

agcttgtatt gatttggtct gatgagggat cgaggcttag taatttaggc tacaacatat 60

aacacatgag aaattgatta gagaaatata ttgagacaca caattttcgtg ctccttctct 120

ccctctcccc ccactcatct tctccttcct tcaagctctt atccatggct tcctatggtg 180

gtgagcttct tcttgactca tcttctgctt gaagtggcat ctccaatcat atttctttct 240

<210> 18286
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18286

aagttttaac gtaattgag aaaggatttt ctactttaaa gaaaatagtg atttgtggga 60

tcttttagtt aaggtatgtg actttttta caaaactgat atcaaataaa aaattatata 120

agttttttcta aaaatggtaa taaaaaatta aaaactataa aatttaaaag gataaagtga 180

ttgctcatta aagaatttgg tctagacagc agaatgacat gattgctcat taaagaattt 240

ggaaacagaa atatcattcc ttccccttag aatttttaat ttatcattaa aaaataaata 300

aagatagact cttggaataa agtaattntt tcagataaaa aaattactaa tgactntaca 360

agaatttaac caactactaa tatgaaattc t 391

<210> 18287
<211> 334
<212> DNA
<213> Glycine max

<400> 18287

aagcttttgtc cctgagaaac tggttcccag aagacaacag ggagtgaaga ttgctgaaaa 60

ccctagcctt gcaacaagtt ctagggaagt agacaaggag atggacaaga aaatccgcag 120

tatggtgagt agtattttga aagacgcctc tattcctgat gctggtgaag atgttccaac 180

atcttccacc ccgaatgttt ctgtgccgga tgttgagaaa gatattccaa catctttccgg 240

gtcaaatact gaagtacttt cttccccag caaagagaga tcaacagagg aagatgatca 300

agcgacaaag gagacccctg caccaagggc acca 334

<210> 18288
<211> 417
<212> DNA
<213> Glycine max

[illegible]

caagttgaaa gcctggagg aaagaggtat gccatgttg ttatggatga tttctccaga 120

tttacctggg tcaactttat cagagagaaa tcagacacct ttgaatattc aaagagttga 180

gtctaagact tcaaagagaa aaagactgtg tcatcaagag aattaggagt gaccatggca 240

gagagtttga aaacagcaag tttactgaat tctgcacatc tgaaggcatt actcatgagt 300

tctctgcagc catcacacca caacaaaatg gcatagttga aaggaaaaat aggactttgc 360

aagaagctgc tagggtcatg cttcatgcca aagaacttcc ctataatctc tgggctg 417

<210> 18289
<211> 432
<212> DNA
<213> Glycine max

<400> 18289

cttctcttca tcctttgcca tatggaaaat agacattttt ttatcacctc taaaggttct 60

aggagcagta aaatacttac tagttgttat caactacttc aacaagtgga ttgaaacaag 120

accactgcgg gaaattatgg ccaatgaggt ggagaaattc acccggaaac atctcatttg 180

taggtacgac ctaccatgcg ccattgtcat ggacaacaac actcaattca aagctcagac 240

ttacaaagaa ttcctgacat gactacgcat caagcaccaa gtcatctctt tcgaacatac 300

tcagaccaac ggtcagacaa gggcagctaa cagagtcatc ctcaggttcc tgtgtactac 360

actcaacaag tctaagtgtc tatagaaaga taagttcttc agtatactct gggcgtacca 420

ttgttcaccc aa 432

<210> 18290
<211> 429
<212> DNA
<213> Glycine max

<400> 18290

taagctcttt caactgcaca aggctcttaa tatttgaata gtatccttgt ggaaccttca 60

ccccgatgaag acattaacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

[illegible] 180

[illegible]

cgtcaagatc acaccaatac ggaagatcaa agaaaaatgga cctcttcttc catatgcaac [illegible]

tttgactttt atcattcttt tgggtcttcc caaatacagt attcaggtgt tcaaccccgct 420

aatatacct 429

<210> 18291
<211> 394
<212> DNA
<213> Glycine max

<400> 18291

agcttgtctt catttggtat tttattcacc cagtcttgtg gctctacaca agggtgtctg 60

caaccttcta aaatagtatc tccttcatcc tattaaaatc aaaatgacaa tgttaaatgc 120

tattcgtaaa aagatccctc caaccaaaac aagggataaa cagagaagga aggtaaatgc 180

gagaagaaaa gaatgtagta attgtgaaaa caacaaatta agtaccaatg aagtgatgtc 240

aggccttgtg tagggagtag gacaactaga agccaaatca gcaaatctca actatagatt 300

cctatccatg tacattcttt aaaaaaaatt catggttagt ggggctctac taaatgttgt 360

catgacaaga gtatattcat tagacatcaa aatg 394

<210> 18292
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18292

ntntgactcc tgagtatttg gaacttgctt tatctctttt tctttagcat catcaaaata 60

atcttggaag tcattgcttc cacaaaatga ccaagaagtg ccctatgctt ctagacaact 120

caagactcat gagaggaatt atcccactca tgaccttgag ttagctgttg tagttttttgc 180

ccttaagatg tggaggcatt acctgtttgg ctccaagatt gaggtgttta gtgatcataa 240

gagccttaag tacttgttta gtcagaaaga gttgaacatg cgtcaaagga gatggtttga 300

gttttcttaaa cattatgatt ttgagcttag ctgccatccc ggcaaagcca atgtagtggc 360

<211> 265
<212> DNA
<213> Glycine max

<400> 18293

tgtagctttа ctatgcaaag aatatccaag gaaaattcct tcatctgact tagcatcaaa 60

ctttcctaag ttttcttttc cattgtttaa tacaaaacac ttgcaaccaa aaacatgaag 120

atgcgagatg tttggtttcc taccattgaa tagttcatat gaagttttct ttaaaatggg 180

tcttattaaa gccctattca tgatatagca tgcagtatta atggcttcag cccaaaaata 240

ttttggaaga ggagtatcat ttaat 265

<210> 18294
<211> 357
<212> DNA
<213> Glycine max

<400> 18294

agctttttag ttttcaagtg ccaattcgtc ctcttcttta gtccagtctt cttctggctt 60

caattcatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120

gacagctttc caggttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180

gtattcatag ttgcttccat caagaattgg tggtctgttc actggtcctc cttctttctc 240

catgttcatc agaatttatc tccccagatc tcactctgtg atttcgagtg ttggctctga 300

taccaattga aattctgata ccaggggaca gatgtcgtac aggatgtcac gacatca 357

<210> 18295
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18295

ntatatacaa attaaaaaat tattaaatag ccacaagtct agaaaaatat aattacattt 60

gattaattta tcttttttatt ttattgatat tatctcttct tttactttat agagatgtca 120

a-a-aa-taaa taaattaaaa gt-gtacaact aataataatt agtgtcttct tcaattgaaa 180

ttaaaaaatt tcatctaata taaaatgtat ttcttaaaaa tataagtaaa agttgattat 300

agaactacat atatacaaat attaaattta tttaaaattt aatatatcga tt 412

<210> 18296
<211> 337
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 18296

agcttttatc caactgtaaa acttggcaat aacactagaa tggctgttgt gggaaaatgt 60

atcattcgaa tgcaagtgaa tggatttact caggcaattt ctggtgtcta ttatgttcct 120

gaacttaaga gtaatttatt gagcataggg aaacttcaag aaaaaggctt gactattttg 180

attcaacatg ggaagtgtag ggtatatcat tntgcaaaag gattaattat gcagacagat 240

atgagtggaa atataatgtt ttctttgttg gctaccatga taccaaaagc tttctcatgt 300

ttccaaattg tatcagaaaa tgaatctcat ctttggc 337

<210> 18297
<211> 425
<212> DNA
<213> Glycine max

<220>
<223> unsure at all n locations
<400> 18297

nttactctct ggtaatcgat taccagagga tgtaattgtt taccagtggc caaatacgtt 60

ttataacagc tataaaaatt tgaattcgaa attttaaaag ctgtaatcga ttacacaatt 120

gtggtaatcg attaccagca gttagtaaac gttttaattc aaattttaaa agctgtaatc 180

gattacacaa tttctgtaat cgattaccag acaggaattt cagaaaaata atttcaagag 240

tcacaacttt tcaaaggctt tactcatgac caccaatggt ctatatatat gtgacttaaa 300

cacgaaattg ctcagagatt ttcagaacaa caaagtgttt atcctctcaa aaagcaattt 360

cattttatcc tcttaaagaa ttcattggcc aattcaattg caattcatta aggaattaat 420

tgaagt 426

<210> 18298
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18298

ntggtacctt gtactgtaca tataagactt tgattcttat ttaaagttta aaataatgat 60

ttccaatatg aaggaatttn gtaccgttag ttattatgat tattcttagt atttttttgt 120

ttcaaaataa ttatcatcct tcattatttt atataaaaan tattgcataa ataaaataga 180

ataataattt tacaaaatta aacttatatc attattaata tataaagaat ataaataaaa 240

gaagtaatta atgttacatt acaaattaaa atattaaaat gataattatt ttaagataat 300

taagatatta aaatgataat tatattaaag ttgagctaaa acagttattt tcatttttnt 360

tctcaacata aatatgttta acatagataa ttttttactt ttaaggtttt agagcatcct 420

cg 422

<210> 18299
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18299

agcttatcac cactctcctt cataccactg gccacaccac caacaacttc agcttcgtga 60

atctcacttg cgactcccaa tttggcgtca tctcgatcct cttccccgca ccgtactctc 120

ttctaatgc cacatcctc ttcttcataa agaagcgtga tggtactaga aaaccactga 180

gcgccactac gctgaacttt ctcctcatcg gtagggacac atcgttggtg gcgctaagct 240

agttcttctg actcttcatg aaccacccca tcgtggaaga aaagatcctc gcagagctaa 300

cgttagtgct tacttncact catggcggcg accgacgaca ctggatg 347

<210> 18300
<211> 426
<212> DNA
<213> Glycine max

<400> 18300

[illegible]

aggactgaaa gaactttgcct gagatgtcct aagtgatcat ctaggctcct actgtacact 240

aaaatatcat caaaataaac aactacaaat atacttatga aatcccttaa gacatgatgc 300

ataagcctca taaaggtgct cggtgcatta gtgagcccaa caggcattac tagccattca 360

tacaaaccaa actttggtctt gaaagcggtt attcactcat.caccctcttt catcctgatt 420

aggtga 426

<210> 18301
<211> 342
<212> DNA
<213> Glycine max

<400> 18301

tgacaaacaa agctaatcga agcaagtaat atataaaatc tattattttc acaaaatcaa 60

tagtgcaaaa ggcatttgaa atggtaatat cttttaatat tttatattca ttttcttata 120

agttatataa taataactca ttttttattt tgtgattgct tttatatgat atatgaaagg 180

ttggcgaaat ttataaaggc atcatgcatt gcattatatt atttaatttg ctctttacta 240

tatttaattt taacagacaa aagatccaat atctagtgaa tgatcagatg ctgcggaagt 300

ttggaaggcc acacacacga gatctaatgg aacctgtgca tt 342

<210> 18302
<211> 423
<212> DNA
<213> Glycine max

<400> 18302

taaaagtatc actttgttta tcaaatttat ttaatgtgta tgtcaaccct cctgtaaaaa 60

catgctccct cactccaaga atgcttggag ggcgaaggcc atgattcgca tggaactcct 120

ccagaagatt cctcattttc attgcttctt caagataatt gtcctttcaa aatttaaaaa 180

atatatatca gattaaatta cataaatttt ctttccccat tcattcattc actcacatac 240

[illegible] 300

[illegible] 420

att

<210> 18303
<211> 428
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 18303

tgcaatgaan attaacataa caatgtattt ataaagtttc gacaaattaa tacaaaaatg 60

ataaataatt cttaatataa aattgacatc attttggtcc aagttaaatg cattttggta 120

gttattatat gaggcaaggc ttatgttttc atcttcctaa catgtaaaat taacatcatt 180

ttttaacatt ccttttgata aaattgtata tagtcattgt tgtacaaatt atttgcattt 240

atgtttcaaa tttgtactta ggcatggatc gtaagattac aaatctattc tttcatactc 300

gaaacgttct ttcaatagtg caccttaaac ttaaactgga gtgataataa ttaaaaattt 360

cattattatt tgcaaactca gatctatgtc taaaattagg aaggtggtaa cgtttacata 420

tgtaagga 428

<210> 18304
<211> 380
<212> DNA
<213> Glycine max

<400> 18304

agtactcttca ttttttatca agtctgcacg attgtgatca agatcaaaag ctcgccaaaa 60

ttcaggccag ttacatagaa gtcgaccaga tcctacaggg gtgttctcca caacaacttg 120

ggcgggagca aaaatgcctg cattctgcaa accaactgca ttgctgtcag gatcaactga 180

atttgaaaat tcagatcctg gagcttcatt tgagtttgtt gatacccaaa tagctgaatc 240

cacaaaagtt gaatgcccat tttgaacttc tcctgtagaa gatccattgt tcaaattttc 300

actagtgtga acaactgatg attgaatatt tgaagcctgt ccagaacctg ggtccataac 360

agttttatga tagctgtctg 380

<400> 18305

tcaagctttt ttaataagat ggcctcagca aattccttat ttccagatag gaattctatc 60

aatagacctc caatctttaa tggagagggt taccactact ggaaaacccg aatgcaaatt 120

tttatcgagg caatagatct aaatatctgg gaagccatag aaatagggcc ttatataccc 180

accacagtag aaagagtttc aatagatggt agttcatcaa gtgaaagcat aaccatagaa 240

aaacctagag ataaatggtc tgaagaggat agaaaacgag tacaatacaa cttataagcc 300

aaaaacataa taacatatgc cctacgaatg gatgaatatt tcacggtttc aaattgtaag 360

agtgctaagg aaatgtggga cactc 385

<210> 18306
<211> 412
<212> DNA
<213> Glycine max

<400> 18306

tttcaagaga cctactcttt ttgactgttt tcaagagttg gtcttcttgg ttgaacactg 60

aacacaaggg accaatgttc cttgggttca ttgcaagaag caggatttgc ttcttggttg 120

atcattagac gcaaaagacc aatgtctttt gggttcattg caagaagtgg gtataatttc 180

ttgggtgtta tcactggaca caagggacca actttccttg gggttcattg caagaagtgg 240

caataacttc ttggttgaaa tcactgaaca caaaggaggg aagtcctttg tggttcattg 300

cttgcaaagg attttacaag gttagtggaa atctcaagcg aattgcttga ggactggacg 360

tatgcacggg ttgtggtcga actagtataa atccggatat gcattctctc tt 412

<210> 18307
<211> 366

<212> DNA
<213> Glycine max

<400> 18307

agcttggtag ttttttaggc tttgagtctt aacttatcca gctcattcaa ttgttgctac 60

[illegible] 120

caattctttc tagatgctct cacagttttc tgtaagacct tctttagtta cctattagat 300

acctcaactt aaccaattgc ttgagggtga taaagagtaa taaccttatg ggtaacacca 360

tattta 366

<210> 18308
<211> 427
<212> DNA
<213> Glycine max

<400> 18308

atgcagccca atccttcctt taagtaggta cggcgctttc tagtactttc ttgatctccc 60

tagtctaaac tccaactttt ccatttgttt acggatgata aggtgatgct actttgtgtc 120

aaacatcata gtgttgaaag acctttgaga attgagcaat acaaaagtgt gtaccttcat 180

cactaatcaa gagtctaggc aatcaaaacc taacaaaaat gtttctcttt aagatattaa 240

tcatcatctt tacatcattg gttggactag aaatttcttc cacccacttt aagacatagt 300

gcactactac caagatatat ctgttgccac gtgaggatgg taagggacca aaaaaatcaa 360

ttcgctaaca atcaaacact tctacctcct gcatgttctg taatggcatt tcatgtcgtc 420

tagatat 427

<210> 18309
<211> 293
<212> DNA
<213> Glycine max

<400> 18309

ttggatgtta gtttctgatc caacccagca cggtttcgat gcccgaacct gctggatcgg 60

agtcgcgaagc aagaagccga tgcaactgca tgatggagtt aacgccacg gcttcgttcg 120

gattcacctg cagcatccac ggcttcacgt cttcaaggcg ccacgccgcc acgccacgaa 180

atgcaaacct aacattcacg gaccgcgcca gctcagcgag cctgagccca atttcgcgga 240

gcgtgtcgcg gttgtcggac gagggaagcc caattcccgt gagcctcaac agc 293

<210> 18310
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18310

tattctatgg gatttaccaa gcacacaatt atcacatttt tcaagtttat ctagtttatc 60

accacctagc atattttgtt tctcaagttc atgcaatcct cttttcactaa catgacctaa 120

tctcaaatgc caaagttttg ttttatcaat caatgtatta ctagttaccg atgcatttcc 180

aacaatcgtg gaaccttcaa gaataagcaa gccattactt ttattcttgt caccccttggc 240

aatgattaaa gatccatttg aaatcttaag aacaccattt aaaattctag ttgaatatcc 300

tagatcatca cacatgttta tgaaaataag atttcttttg agttctggaa tgtaccttac 360

attnttcagt agatactctc tattatcaaa catcttcaat ctcacag 407

<210> 18311
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18311

agctttatta attagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

attgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180

anagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctatagata gatggtctga agaggataga anacgagtac aatacaactt aaaagccaaa 300

aacataataa catctgccct gggaatggat gaatatttca nggtatcaaa tcgtaagagt 360

agtaangaga tgtgggacac t 381

<210> 18312
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18312

[illegible]

aacatatatt tgaacaatta acaaatcatt ggtactttc ttaatgaaca atgttgatc 180

aacttggtct ctagtgaaag attgctcaag tagaaaactg ctcaatctat caaaccatga 240

gcttggttct tctttcaaac catacttttt cagtctatag acatggttag gatgctagta 300

gtccacanaa cctggtggat gatctacata aacttcttct tcaatgagac cattaaagaa 360

gatacacttc acatccacct gagtaagtct aacatccatg atacatgcac atgcaagcag 420

caatcttatg tgatgtagct catg 444

<210> 18313
<211> 463
<212> DNA
<213> Glycine max

<400> 18313

tcgctctttg tgggagtcat tatcaaaact gaagcctttc ttatttgcac atgtggagca 60

attaaacctt ggcgcaatct tgaacaaatg gagtatgcta tgcagttctt gatggggttg 120

aacgaatcct tctctactat tagaggtcaa attttatcca tggatccctt ttcctcagta 180

actaatgttc tttccttagt tcaagaagaa aagcaaaagg aagttggtgc ttcctcctct 240

gctagtgaag tttcacatgc ttttgccttg aagccttctt ctgctgcacg caatcatcct 300

accaatcgct tcaaaaggatc ttccaagaat cgccccttgt gtgctcattg cggtatgctg 360

gatcatactc aggatcgttg cttcaagttg catggctatc ctccaaatta taagaggact 420

agttgttcct cacaagtcaa gatacattct tcatcttctg aat 463

<210> 18314
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18314

tagtctgtga tgggaaaatc aatggtcaat attccatctc attcataagn tgttatgcat 60

taacatataa tatcgattca tcgttatgga ttatatatga ttacttattt cacatatact 120

[illegible]

[illegible]

[illegible]

caagcaagta actggaggta caaagccagc agtggaagaa tcctgaagac gagcaagaag [illegible]

atcgcgaaag ggtacgagca tcttctctct cactgantta gcaagagaca ctgcgtcttc 420

agtgacatca ccatcaccat atgtgggggg aagactatct ggtatgg 467

<210> 18315
<211> 457
<212> DNA
<213> Glycine max

<400> 18315

tatcttgatt gaatgtagca gcaaacttga cgatatttct aatttttcat ttctgcaaag 60

gactcatcca gctttgacat tatagtgttt gtcttattgc cattaaatct tacaggaatg 120

tcctttttcca taatcaaggt tttagagtta tacactctat atgccttgga taattgagag 180

tatccaagta agattccata atcacatttg gagtcaaact cttcaaagtt atccttggtg 240

ttcaaaatga aacgttgaca tccaaatggg tggaaataag aaatattagg cttacgttcc 300

tttcacaatt aatagggagt cttctttaag attgacctaa tatagactct gttatgtaaa 360

aaacaaacag tgtgatcgag gccgtacccg aatcatataa acatgataat gcagtaacta 420

ggaagtgatc ctatgtcgtt tcccaacgag cagtgac 457

<210> 18316
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18316

ttgagtcgga tgtccgattc angcgcataa tatatcttat atgttttata attgaacaat 60

ggaagctctt gagcaattca aatggtcata acttttcact aagatgtccg attcaggcac 120

ataatatatc gagacgttcg aaattaaaca atggaagctc ttgagcaatt ccaatgatca 180

taactttttct ctaggatgtc cgattcaggc gcataatata tcgagacgtt cgaaattgaa 240

caatgaaaaa tgttagcaa ttcaaaatgt gataacttta caattgtta tccgattcag

tggaatgatg gaactgttga gcaattgata tgatgatgac ttttcagttg 420

<210> 18317
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18317

antctgcag caaagtcaaa ctgcttctac agaaactaaa agccttggag aattctatgc 60

cagctcaacc ttctgaacaa caagtcaagg agctcaagaa aacccaagct gacctttggg 120

aaaaagctac tatgcatgag tctattgtga ggcaaaaatc aagatgcaga tggatcaaag 180

aggggacag caacacagcc tattttcata gagttattaa tttgaggagg aggagaaatg 240

ctttgagggg gatgcagata ggtgacacct gngtggaaaa tcctaacatt atcaaggctg 300

aaaacctgca ccattttcac aacacggtca atgacactca ctcgagctga cctaacctgg 360

atggggttgc atttaaaact ctgact 386

<210> 18318
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18318

tgaaaattgg attgacctgt gctaagttgc caaatattta cagagttagg cacagtatta 60

ttacaatcaa cagaagaaac agtatttata caagctggag aagacacagc agagcagaac 120

tgaagattgg gaaactggta caagccatca gatccaacat cgccttgaag aaggattctt 180

ttgggatcct gatatttaac aaagcaacga ttagcatgaa actcaaagaa aacatgatta 240

tctttggcaa atttgcttac actaattaga ttcttagtga tttgaggaac aagaagcatg 300

tttttaagaa taagttggcc attaggactg aaaggagaaa caaaattgga attaccaggg 360

gctgagatat tcagaccttg tccgttacca atnttgatct gatctggacc ctcaaatgga 420

caan 424

<210> DNA
<213> Glycine max

<400> 18319

ggggccatga catgctaatt gacccaaagg agggtattgt accgatgacg ttgatcatgt 60

acgttctatc attagtacac tccaccacat agttactccc aataccaaaa ttatttaatg 120

ttaaccagat gacccaacca atacatactg gcaataccat gactactatg tggcatgata 180

atagcttc 188

<210> 18320
<211> 431
<212> DNA
<213> Glycine max

<400> 18320

tgtaacatga ctgcttttct tatatataat caccaaacaa aagattgcca taagtatctc 60

ccaccaaccc cgaagatcaa atctcatact ccctccgttt caaaatacat gtccattttt 120

gaaaaattgc ggtaaccaag gacaggctaa tttgacacaa aagttcctat ttaccctag 180

tcctttatgt tctccattat atatttattt atcccacctc ataattactc ccaataccaa 240

aattaattaa agttaatcaa attacaatac caatacatac tggcaatacc aatactacta 300

aatggcacta tttttgcttc ggtattgaaa agctcaattg gcatagttcg gttatcatag 360

tttgttaaaa ctcaattgaa ataacttccc tccattatta attatactct aatcttacaa 420

tgttgtggac a 431

<210> 18321
<211> 326
<212> DNA
<213> Glycine max

<400> 18321

tacatagaag accgactgaa ccatgagatc cacttcaacc acacgctaac tttcctgatc 60

tatccagcaa cagatacgac cctgcatgga ggatttactt tactctatta tggcacactc 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

[illegible] 480

[illegible] 526

<210> 18322
<211> 440
<212> DNA
<213> Glycine max

<400> 18322

tcgagactga agagcgtgcg agtctttatc tgtgggaggg agaagagaac aatccaaaat 60

caattgtacc cttcaagtag cgaagaattc tgtttgcggc tgttagatga ggagaggtag 120

gagcctccgt aaagcgacac acaacttcca ccgcatatag aatatcgggc cttgtattgg 180

ttagatacct taaactcccc acaagactct tgaagaccat ggagtctacc ttctctcctt 240

catcaaactt tgataacttc aagccacctt ccataggtgt gttcacggga ttgcaatcaa 300

gcatactaaa tttcttcaac acttcttttg tgtagcttcc ttgtgagaca aagataccat 360

tctccatttg cttcacttcc attcccaagt tatatgacat gagtcccata tctatcatat 420

caaattcacg agacatggac 440

<210> 18323
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18323

catgcgaagt gggtggaatt cctagagtta ttcccttatg ttatcaaaca taaaaaggga 60

aaaggtaata ttgtagccga tgctctttct cggtgtcatg cattactttc tatgcttgaa 120

acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga aacttttgga 180

gaaattttta aaaattgtga aattttttca gaaaatggtt tctttagaca tgaaggcttt 240

ctttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt gcttgtttgt 300

gaagcacatg aaggagggtt taatggtgca tttgnggtcc aaaagactct agaaacatta 360

caagaaacat tttattggcc tcatatgaca aaggatgtgc agaaattttg tgaacattgc 420

...

...
<211> 462
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18324

tataanaagt ataataaatt aaaaaaaata aaatnaatac ttatattaat actatgtttg 60

catcaaatat tcaaatgaac atttagatgt aatgataaaa gggtgtgcat cttatttcaa 120

ggatcatagt tctactccta atttcttctt aaagcattct tttaagtaag gcttattaac 180

atatgattaa ataatatttt agggaattta atggtttaat tcatattcaa atatttttcat 240

aaccattaat taattattaa tttcgacatt tattttaaca aagaaattat tatttttgaa 300

tattttaatt tgaaaaaata ttctttggaa atattatttt atttacgtac tcaagtttgt 360

ttgaaatata tgattaggta atattattct atcgctattg acataattta cagaanatgt 420

tacaataaaa aagtgtgtga ggaatatatg aaatttgttt aa 462

<210> 18325
<211> 398
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18325

gtacttcggg cgtgtattat agagcaacac ggtagctgga tggattgttt gccattgatt 60

gaagtttactt atnacaatag ctaccaagcc agtattggta tggctcottt tgaagcttta 120

tatggacgaa agtgcaaaac tcctatttgt tggtacgatg atggagaagc agtacttctt 180

ggancggaaa tgctacaaca gattaacgaa caagtgaagt tgattcgaga gaagataaaa 240

acatctcagg ataggtagaa gagctattat gatagaaagga ggaaaccact agattttcag 300

gaaggagaac atgtnngtttt gaaggtttct tccgtaaccg gngtcggaag agctctcaag 360

gctangaagt tgacacccaa gtatctaggt ccgtatca 398

<210> 18326
<211> 460
<212> DNA
<213> [illegible]

[illegible] 60

caatctatat aaaacaagtc atgtcccatt tttttaacta tttatagaat ctatcaccac 120

ctccaaacta ccataaacat aaaaactagg gttacctttt gtgagtagag aggtgtgtct 180

attgtataaa acaatttaat tcaaacagtt caaagttatt atcagagtca accaaagaaa 240

attttctatg actcttatct aaactatcat caaatacaag aaaagatgtt ttacgttatg 300

acatttttca taatttaaaag attaaaagtt gtcaccacat atatatagtg acaaactttg 360

gattgatcac ttatcatcac taatatgcaa gtcactgttg tattagtgat gaatattttta 420

gatgtcataa aaatatatat tgtgatggaa atgttgtcac 460

<210> 18327
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18327

tctgccctat tntcctataa atagggggag aagtgaattt gtttaaatgt tcagctctcc 60

tggtaatttcg agatcacttg aaattagtga aaaaaattgt ttccgtgaag aaaatccaag 120

ccgaggcatt tccataacgt ttccgtagcg tttccgtggg taatttcacg aagattttca 180

accgttcttt gacgttcttc gttcgttctt cgtcgttctt cggtcttcaa ccggtaagtt 240

ccngaaatcg aacttttcaa ttcattctat gtaccattag tggtcctcat ttgttatcca 300

tggcctccta tggtggtgag cttcttctag actcatcttc tccttgaagt ggcgtctcct 360

ctctctcttc ctttctccatt ccgctgccat tcatcttcca agaagcaaag gaatccattg 420

atgaagaaga tcctaggcct acaagctcca atggagctta caacacg 467

<210> 18328

<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18328

[illegible]

agacatctca catgacatct gctttctgct tctgctcccc ctgtctccat gcttactgca 240

acatcttcta tcagctacta gtcttctcca ggatgtcaag acgtctcctg tgacatcagc 300

tatctgctcc ccctgtctcc atgctcttac tgcagcatct tctaatanct tccatcagtc 360

atcatcagca gcagcagtct ccccctcana atcgtataca tacaactccn cctcanaatc 420

atgaatcatg catacatcgt atcctactgc catacatcat acata 465

<210> 18329
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18329

agaacatgat gcccaaaagc acgtcggtta tattaccttn taatgcttcc catctaaggc 60

caagttccat ggtggaccgt gccttcgacg gcacccgccg ggaggtgagg ggggagatcg 120

acctcccagt acagataggg cctcacacct gccaggttac attccaagtg atggatatca 180

agccgaccta caactatctt ttggggcgtc catggatcca ctcagtggga taatacagcc 240

aattacgctc tgctttcctt catggacggg ttctttggct acaatcagat aaagatggcg 300

ccagaggata tggaaaagac caccttcgtc accctgtggg ggatgttctg ctataaagtg 360

atgtcgtttg ggctcaagaa cgccggggca acctatcagc gggctatgat ggctgagntc 420

tacgacatga tgcaccgaga aatcgaagtc tatgt 455

<210> 18330
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18330

ntaagagcaa ttcctttctt tnncttatta ttctcattat gttgatncaa ncncattagt 60

tccatttcat gttcctgtaa ctttccaaat aaagtagcaa gagacatgtt agatagatct 120

[illegible] 180

[illegible] 240

[illegible] 300

tattcatgag ttaatgtatt tatcctagat ctttttacat ttgttgtacc ttcatgtgtt 360

atttgtcggg tatcccacat atcttgtaca ctttttacaat gtgataccct aaagtgctta 420

ttcattccta aaaca 435

<210> 18331
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18331

agtttaagga ggagtatggt tagtaacaca taatttttaca tattttgatt ggtgggaggg 60

gttcgaattg gtctctatat taacagttct gtatttttctt gtaggaattg agccctggac 120

ttttactcag aagttaggag atgctgtttt cattccagct ggttgtcctc accaagtcag 180

aaatctgaag gtaaagtgaa catacctggt gaatttgttt catatttatt gtaggcacaa 240

tatattgttt tcttagaagt gtaggcataa tagtatcttt ggctactacc tgaaattaag 300

cctatgtcct tcattagcaa agcaagcctt tgtagaaagt gaaaactgtt gattcatcta 360

naagtttcag ttcacttgtg tattntttaa cacatttga 399

<210> 18332
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18332

tgcattgccc anagaggaca actcttcata atacgtttga accaccattg atatccctta 60

tgatgtcgtt cagtatcttca aaaaagccta cgatgatttg gaagaaccct tgaccttttt 120

tctcaaatct tccaaagttg attggcattt ctatgaccca tatatgttac agttaccaaa 180

aaggttcaaa gagaaaacca aatggtgtgg aatagtaagc cccggttggg caccatagtt 240

gaaggtattg agccacaagg caqttggtgg ggttttgact cactctggtt ggacctctgt 300

[illegible] 400

aaatggatc

<210> 18333
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18333

agcttgtttg cacgaattta atttaataac ttactttta caaattattt taagtatctt 60

gtgaaaataa gttacttaaa ataaattata tgttataagt tttttttcaa tttcattgtt 120

cactaatcta tttgaaactt cattttcttc ttttacttaa ttttaaaaaa aaattattat 180

ttcaacattc ttacaaacac tttgaattaa tcttttatgt catttgatat ttatcactta 240

acttatcaat taatcttact aaatactttt aattaaataa gttagtttat aaacttctag 300

ctattcaact cctaagttat agcttataat aggggtgttc gtgagccagt tccggaccag 360

ttttgaccaa atttangatc taacctaatc acaattgatc 400

<210> 18334
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18334

ngaaggtgcg taccccacca ttnttttcata gcaaattatt gattatgtgt ttactatcat 60

agctatcatt tcttttctccg tcattgaggg aaccacttgg gctgccaaat ccctccacct 120

tnggggcgtat tctttgaaag atccatgccc cctcttgcat atgctctgta gttgcatcct 180

atccggagcc atatcagaat tgtactaata ctgcctaacg aagtcaacca ttacgtcctt 240

ccaagaatgg actcgggaag gttccaagtt aatgtaccag gtaacagcta ccccagtaag 300

actttcttgg aagaaatgta tcaccagttc ctcatctttt gtgtatgccc acatcttccg 360

acaatacatc tttagatggt tcttggggca agtagctccc ttgtacttat caaagtctgg 420

caccttgaac ttgtgatggg t 441

<223> unsure at all n locations

<400> 18335

ntaagagcaa ttcctttctt tntcttatca ttctccttat gtatattcaa tctcattagt 60

tccatttcat gttcctgtaa ctttccaaat aaagtagcaa gagacatgtt agatagatct 120

catgattcaa taatggttgt taccttgggt tgtcattccc tacttaagca tctcaaaact 180

ttattgataa gatcttcatt tgaaaatatt tttcctaaag atgcaagatg attaattatg 240

tgtgtgaatc tcttttgcat gtcctgtttg ctttcattag gattcattct aaataattca 300

tattcatgag ttaatgtatt tatcctagat ctttctacat ttgttgtacc ttcatgtgct 360

acttgtcggg tatcccacat atcttttaca cttttacaat ttgataccct acagtgctta 420

ttcattccta aaacagatgt aat 443

<210> 18336
<211> 406
<212> DNA
<213> Glycine max

<400> 18336

agcttcaaca ttcaacttcg agcttctcgt tatattatag gactcaatta gacatccgag 60

taaaaagtta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcgtctcc 120

atatattacg ggactcaatc agacatccga gtaaaacgtt attgttgttt gaatttgctc 180

aaagcttcaa cattcaattt cgagcgtcta gatatattac aggactcaat caaacatccg 240

agtaaaatgt tactgtcgtt taaatttgct tagctcttca gctttaaatt tcgagcgtct 300

cgatatatga cgggactata tcagacatcc gagtaaaaag ttattgtcat ttgaatttgc 360

ttagagattc aacattcatc ttcgagtgtc tcgttatatt acggga 406

<210> 18337
<211> 451
<212> DNA
<213> Glycine max

<220> [illegible]

[illegible]

[illegible] 1

taactttttta ctcggatgat tgattgagtc ccgtaatata acaagacgct caaaattgaa 180

tgttgaagct atgagccaat tcaaatgaca ataacttttt actcggatgt ctgattgagt 240

cccgaaatat atcgagacgc tcgaaattga atgttgaacc tctgagccaa ttcaaacgac 300

aataactttt tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg 360

aatgttgaag ctttaggcaa attcaaacga caataactnt ttactcggat gtctgattga 420

gtcccgtaat atatcaagac gctcgaaatt g 451

<210> 18338
<211> 444
<212> DNA
<213> Glycine max

<400> 18338

tatagctcta gcagccaggt tgtaaagatg atatctcttc ctcttgcatt aattgtcact 60

caagatgcta gccagtggat ccctcctgag attggtcaag ttgatgtcag ttgtgatgct 120

tcagttcctt aattggggag tctcacaact tatggtgggg tgcttcatga ttatacatga 180

aattttctgt gtggactcaa atccaatatt ggagattcat ctgtgctgaa tgtacaattg 240

ttgactattc taatgaatct tgcctatgaa attctatttc cttttaggaa tggatcatgg 300

aatagtggga aaagaactat tacattactt ctattgtagg ggctaataat gggagctcta 360

tcatggtgat gtcaaaaggt ttgttttata aaagtgaact acttttggaa tctgatcttt 420

attgctgaga tattactttt atac 444

<210> 18339
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18339

tctaatagta tatcaaaaga gagaaatgtt agcaactttc tcttttaaca ctttnttgaa 60

[illegible] 120

[illegible] 180

attatgtaca caagctgaaa ggctgctcca atagaattaa cagttgtcac caagagatta 300

tcaggtgata taaggagtgt gccataccac aagcagatca tgcagttcaa gagagaataa 360

atatatggca acccggagaa catatctgtt gacccatttc ggatgattct cctaaatgtc 420

ggtctacaaa tcaaaacaga ac 442

<210> 18340
<211> 248
<212> DNA
<213> Glycine max

<400> 18340

agcttgtgat tataaaggca aattttcact gtgatttttt ctctctgttt cttcttctgg 60

ccatgaaact tctctttgtc acttgttgaa tgagccccac ttaaaaagtt tgaattttga 120

ggagaattat ctttctgggt gtttttcacg agagcaagat cttgaagttc ttggggttta 180

tgtggaatcc tctgtcttgg gttatggacg ctgctgctat aatggcaatt gcacttgccc 240

ttggaggg 248

<210> 18341
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18341

cttgcctgaa gcatatcgca aaaatgggag aaaattacat atatttttgc aaccatttaa 60

ggagaaatta aacaatgcac atatatatac ctgatgacat gtgtattgaa ctcagcggta 120

[illegible] 180

gtatgccaga catgatcgaa gtgacctatg ttagcgttaa gggtagggaa tatagcaaga 240

caaattacgt aaaagaatag caaactgaac ttgctagttt ccatgactat tgtttctttc 300

tcttgaagat ctttaatcgt gtgcgcctta tgttgtttat tgtgtgcttt tcaacctata 360

tatntattta ttttggcatt ttaagttctc ctcccgtact ttgcgctaga cccacatata 420

<210> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18342

acactatgga aaactcccgc ttgccttgcc ccttgatata ttngagggac ttatggatac 60

tatgaatgac aaattccttg ggataaaggt attgttgcca tgttttcaaa gcccgtacta 120

aggcatacaa ctccttatca taagttgaat agttaaggct aggaccactt aacttttcac 180

taaaataagc aattggatgg ccttcttgca tcaacacagc cccaatccca acatttgaag 240

catcacactc aatttcaaaa gatttttgaa agtttggcaa cgcaagtatg ggggcattag 300

ttagcttttg cttaagaaca ttgaaagctt cttcttgttt ctctccccat ttgaaaccaa 360

catttttctt gagcacttca ttgagaggtg ctgccaatgt gctaaaatcc ttcacaaatc 420

gtctataaaa acttgctaag ccatgaaaac tcctcacctc ggg 463

<210> 18343
<211> 379
<212> DNA
<213> Glycine max

<400> 18343

agcttgtctt caacaaataa atcataatca aatttgtgat cttcaaagcc caactccagc 60

ttctttctcc ccatatccac tatgcagctc gcagttagca tgaatggcct tcccaatatt 120

acaggaatgt cattatcttc acagatatcc attaccacag agtctgcctg ttttactctg 180

accagcacat cttcaattac tccatatggt ctggaaatgg agcggtcaac aagttgtaaa 240

gtcatcctag tgaggatgat ctcctactct cccaaccttt tgcacatgga gagtggcata 300

tagctaatac tggctcccat atcaataaaa gcctttccac agtgacttct tcaatttaat 360

aaggaatggt tacactccc 379

<210> 18344
<211> 378
<212> DNA
<213> Glycine max

[illegible] 60

ctcttaagtg cagatgtcca aatctttgat gccatatttt gacttcatct tctttggaga 180

atagacatgt ggaggagtaa ctggtttctt gaggtgtcca taggtaacag ttgtcctttg 240

acctgctgcc cttcattaga acttcactct tctcatttgt caccaagcat tctgactttg 300

tgaagtttac attatatcct tcatcacaca gctgactgat gctgatcaag tctgcagtca 360

gtccttcaca gcagtact 378

<210> 18345
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18345

ttgaagtact acgaagcagc aaatgaagag gacctcttct aatctcatgc tncatcaaat 60

tagtctcagc ttcaaatttg gatacatgtg tgcaaacaga gccattgcac aagctatgag 120

agacgaagac ataattcata taattgactt ccatattgat gaaggaagcc agtggctcac 180

ttagattcag gattttgtag ctaggtctag ggggccactc cacatccgga ttacggctat 240

tggtgattca acatcatctg atgcaatgca gatggtggga aataagttat caaaacttgc 300

tgaggaattt aaggtgctct ntgaatttga tgttgtagct atctttgctt gtgatgttca 360

gctacaaaac cttcgagttc aatctcgggt ggctctggct gtgatatttg cattcatgct 420

acatcagatg ccggatg 437

<210> 18346
<211> 401
<212> DNA
<213> Glycine max

<400> 18346

agcttcttca taaacgtgac atttttgcac aatacacaat gtccggtaca ccacaaccaa 60

atggtgtatc agaaaaggcac aatagaactt taatggatat gattaggagt atgttaatca 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

caaaggagta tatgttttat tgtcctaacc atagtatgag a 401

<210> 18347
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18347

cgcttagcat cagaccactt ccagggtact ggaactactt cacatggact tgatggggcc 60

tatgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgttgcgg atgatttctc 120

cagatttacc tgggtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgatca 240

tggcagagag tttgaaaaca gcaggtttac tgaattctgc acatctgaag gcatcactca 300

tgagttctct gcagccatta caccacaaca aaatggcata gttgaaagga aaaacacgac 360

cttgcaagag gctgctangg tcatgcttca tgccaaagaa cttccctata atctctgggc 420

tgaagccatg aacacagcat gctacatcca 450

<210> 18348
<211> 395
<212> DNA
<213> Glycine max

<400> 18348

agcttctaaa ctttatttta gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa caagggggggg cttgaattaa gatatcccaa attactttcc acaatttaaaa 120

atttatttca ctttcttttc aagttataga ttcccttaac aatgaacttc ttaaatatta 180

attcaaataa aacaatttga atatgaatgt aaagcaataa taaacaaagg aggttaaggg 240

aagagaaagt gcaaactcag atttatattg gttcggccac acccttgtgc ctacgtccag 300

tcccaaacca atcccgttga aagttgtact atcttgtaaa ttccctttac aagttcgaaa 360

<210> 18348
<211> 356
<212> DNA
<213> Glycine max

<400> 18349

agcttataat atatcgaggc gctcgaaatt gaacaacgga agctcttgag aaattcaaat 60

ggtcataact tttaactcgg atgtccaatt catgcgcatc acatatagag acgctaaaaa 120

atgaacaacg gaagctctcc agaagttaaa atggtattaa gttttcacac tgaggtccga 180

ttcaggctta taatatatcg gggcgctcga cattgaacaa cggaagctct tgagagattc 240

aaatagtcat aacgtttaac tctgatgtac gattcatgcg cattacatat atagacgcta 300

aaaaatgatc aacagaagct cttaagaaat ataaatggtc acaagttttg acactg 356

<210> 18350
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18350

agttattaa ttnttgtaat taggttttta gtttgaagtt attttaataa tgcttaatta 60

tttacaagcc tttgttcatg ggtggacaga ccttacaaat aattacccga ttcccttcta 120

gttttatgaa gttagaatga aattttaatc tgtagtttaa gtttaagttt aagttagtag 180

ataaataaaa ctgggtaatt ttgaatatat tctatagata aattaaaata catgtgaaga 240

aaaatttaaa taaataattt ttttttctac aactaacaaa taaataatta aataaaatat 300

ggactaacaa atttatttata atacaaaacaa atattgaaaa aattatttac acaatatata 360

taaaataata ataat 375

<210> 18351
<211> 355
<212> DNA
<213> Glycine max

<400> 18351

[illegible]

[illegible]

[illegible] 60

gnaaaatacc tttatcctct tacatattcc ttgggcaaaa ctcttttgat tcaataagga 240

antattgtgag tgctcacatc gctcaatcta tctctttata cagagatttc ttcttctctt 300

cttcattctg aaaagggatt atagagaccg atggtctctt gttgtgaaag gattc 355

<210> 18352
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18352

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tatcctggtc cttcttggat tatatgctat ctaagttagg tttctgtact aaatggagac 120

aatggattgc tgcctgtctc caatcagcat ccttttccat cttagttaat ggtagcccta 180

ctaaagaatt tgtccctact cgtggtttga gacaagggga ccccttagcg ccattgcttt 240

tcaatatagt gggggagggt ctcactggtt tgatgagaga ggccattctg aaaaatctct 300

atcgnagcta ccatgtgggg aatcataagg agcctattaa tatccttcaa tatgctgatg 360

atactgtttc tattgcggaa gcttcttggg agaatgtcct tgccatgaag gcaatgctta 420

aaggttttga gat 433

<210> 18353
<211> 382
<212> DNA
<213> Glycine max

<400> 18353

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agcctttgat gacagctttc caggttctgc tatccagtga tttgaggaag gccaccattc 120

ttgcttttca atattcatag ttgcttccat cgagaattgg tggtctgttc actggtccgc 180

cttcttttct catgttcatc agaattttatc tccctagatc tcactctgtg atttcgagtg 240

ttggcttcga taccaattga aattctgata ccaaggggaa gatatcgtac aggatgtcac 300

<210> 18354
<211> 448
<212> DNA
<213> Glycine max

<400> 18354

tcaagcttgc actgcccaaa gtggacaacc ttccagaaaa cgttgaagct ttcattgttg 60

tccattatga tggcgttcag tatctcaaaa aagcctacga tgatttggaa gaacccttga 120

cctgttttct caaatcttcc aaagttgatt ggcatttcta tgacccatat atgttacagt 180

taccaaaaag gttcaaagag aaaaccaaat ggtgtggaat agtaagcccc ggtttgggcac 240

catagttgaa ggtattgagc cacaaggcag ttggtggggt tttgactcac tctggttgga 300

cctctgtggt ggaggttgtt tagaatgaaa aacctctagt tttgttaatg tttcttgcag 360

accacggatt gaactcgagg gtgttggaag tgaagaagat ggggtattca attcctaagg 420

atgaacaaga tggatcattc acgagtga 448

<210> 18355
<211> 444
<212> DNA
<213> Glycine max

<400> 18355

tgaaggagaa ctagatgcat tggttaactt ggtaacctag catgccttgt atcagaaatt 60

tgtacctgtc gcaagagtct gtggtttgtg ctcctctgca gaccaccata cagacctttg 120

ccgttccatg tagcaacctg gagcaaatga gcagcccgaa gcttatgttg caaacattta 180

caatagacct cctcaacttc agcagcaaaa tcaaccacaa cagaacaatt atgacctctt 240

cagcaacaga tacaacctg gatggaggaa tcaccctaat ctcagatggt ctagcctca 300

gcaacaacaa cagcagcctg ctccttcctt caaaaatgtt gttggcccaa gcataccata 360

catttctcca ccaatccaac aacagcaaca gccctagaaa cagccaacag ttgaggctcc 420

tccacaacct tgcctcgaag aact 444

<400> 18356

agttttgcat accccattga tccattagga aattacttat gaaagagagc catgagggtg 60

ggctcatggg ccactttggg atagacaaga cccttgtctt actcaaagaa aagttttatt 120

ggccccatat gaagaaagat gtccataagc attgcactat gtgtgtggct tgtttacaag 180

ccaagtctag ggtgatgcct catgggctat acacaccttt acccatccca tctgcacctt 240

gtgtagacat tagtatggac tctgtccttg ggcttcctag atcccaaaga ggtgtagact 300

ctatctttgt ggtggtggat aggttctgca tgatggcaca ctctatacta tgccataccg 360

tggatgatgc ttccacatct caaac 385

<210> 18357
<211> 399
<212> DNA
<213> Glycine max

<400> 18357

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accatggcat catttatggc gctaaattgc tgggagttgg aagccatctt ctcaatcaag 120

tttctggctt cagcaggagt catgtctcca cgggctccac tactagcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctccgaaatc 240

tgatggtgag ggcaattggc acatagcttt ttaaatctct cccagtattc atataggctt 300

tctccactga gttgactaat acctgagata tccttcctga tggtcgtaga cctagaagca 360

cggaaatatt tctctaagaa tactctctta aggtcatcc 399

<210> 18358
<211> 438
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 18358

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aaggtacctc attatccttt caatagcgtg ccagtgctcc atactangtc tactggtaaa 300

cctgcataat aatcctacaa cataggctat gtcgggtcta gtacaatcag tggcatacct 360

aaggctgcca atgatacttg catactcagt ttgtcgtata cattcaccag tgttcttaaa 420

ccaatttaca cttggatc 438

<210> 18359
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18359

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atgataaaga tgaagaagaa gcggaaaggt tattattaat gtacgttccg gtgagggaaa 120

tcaaagtaaa gggtccaaaa acaacgaaag tagaagtgtc aggaagagtt tggcagagag 180

tggcttccaa gatagaccca gatgcacatt gcactgtgat gctaacttga caatggcgcg 240

caaattggac cacggcctca ataacatcag aatttttcgg gacttgaatg aagatgggtt 300

tcaaggcaag atcgctatct tggttaataa cgaggggtat ttttggcttg ttcttggatc 360

caaggggcct accacaacct ttgtttgagg atggtggcat ttggtgagag gaagatccaa 420

tataattatg aacagtg 437

<210> 18360
<211> 339
<212> DNA
<213> Glycine max

<400> 18360

agtttgaatc ggacctcagt gtgaaaagtt atgaccattt gaatttctcg agagcttccg 60

tggttcaatt ccgagcatct cgacatatta tgtgcccgaa tctgaccttc gtgtgaaaag 120

ttatgaccat ttgaatttct cgagagcttc cgatgtgtaa tttcgagcga ctcaatatat 180

tgtaaacgtg aatcgaagct cagtgtgaaa agttatgacc atctgtattg ctcgaatgct 240

<210> 18361
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18361

agctnattga tttaaataaa gcctagaaaa ataggaataa ttaaggaaat caaagctaat 60

taatgaaagc taattgagga aagaatgact aattgaggaa attagagcta attaaggaaa 120

acaaattaat tgaggaaaga atggttattt gatgaaaata tggctaatta aggaaaaaag 180

attaattaac gaaaacaagt taattaagga aagaagaata attgagaaaa aacatgatta 240

attaaggaac taaagacaga cttagtgcaa gaagcccact aatctgcacc tataaaagaa 300

gaagagataa gaacgaaaag accaaaaatt tctaccgaat acaattctta tata 354

<210> 18362
<211> 401
<212> DNA
<213> Glycine max

<400> 18362

agtctttgct tagaaaaatg cagaaaccaa aaaatacccc tggttttcat acagccgttg 60

tccatcgagg tactgaacaa aaccatcaat gagatatgga ccaacataag aagccaaagt 120

gtttaacaat acaagaaaag ctgtgataag aatctccttc catgctgaaa ttattaacga 180

tttcaccaac ttcagtgtgg tgacactatt aattccacca caatcagcct caactttctc 240

ttttgaaagtt ggaaaagcac caattacact atctctgctg tctagttgag gaacatcctc 300

aaaatccaag gtcttcttat taccaacggc tataagagga cccacccaag agaaggtaag 360

aatgctcaaa attccagcat atgagaaagg cgtaactgag t 401

<210> 18363
<211> 423
<212> DNA
<213> Glycine max

[illegible]

tgtggccttg ttatcaaagc ccgtacttac gcatacaacc ccaatcatta agttaaatat 120

gtaaaggtat gaccacttag ctgttcacta atataagcaa ttggatggcc ttcttgcatc 180

aacacagcct caatcccaac atttgaagca tcacactcaa tttcaaaaga ttttttgaaag 240

tttggcaacg ctagtatgga ggcattagtt agcttttgct taagaacatt gtaagctgct 300

acttgtttct ctccccatat gaaaccaaca ttttccttga gcacttcatt gagaggtgct 360

gtcaatgtgc ttaaatcctc acaaatcgct ataaaacttg cttaccatgt gtcgaactac 420

ctt 423

<210> 18364
<211> 318
<212> DNA
<213> Glycine max

<400> 18364

acgaggccaa aagctatcgg tcgtcttagc ctacaagcat tccatgtcca tgaagatggt 60

gacaatatgt atgaacgatg gatcgaccga tctaagaatt ttctccataa atcttacctt 120

atcaagccgt gtacccatct ctctagctga ctggagattg ctcagactct ccagaaatag 180

tgagagaaga actctcttta tctcatatgc agggctgcgc actccactgt taaagggtga 240

agatgcacct tctcgacttg tgttgtgcca caggtcgaca tagcattcag aacagcgcgt 300

gtctaatcta cgcagact 318

<210> 18365
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18365

tcgattacac acatactgta atcgattacc agaggagaat ttcatanaat attctcaaca 60

gtcacatcgt ttcgtttggg ttcttgattg accatcaaag gcctatatat atgtgacttg 120

agacacaatt ttttaaagag ttttcaaaac aacaagtgtt aatctctcaa aaagcaaaat 180

[illegible]

[illegible]

[illegible]

gtaaagaatt acaagatagt gaact 385

<210> 18366
<211> 403
<212> DNA
<213> Glycine max

<400> 18366

agctttattt ccaaaatcac atctacagga ccaaggtcct tcatatcaaa attattagac 60

tagaaaaact tcacatcatt tatggaatgt atattactac caaatatcaa tatgttatcc 120

acatacaaac ataaaatggc acatccatta tcatcaaatt gtttcactac acacatttat 180

cactattatt aatttgaaaa taatacgaaa gaataacttg atcaaacttt tcatgtcatt 240

gctttggagc ttgttttaag tcatataaag atttaacaac caagaatcta taagtagtac 300

taagcaaaga atatccaaca aaaacataat taacagttta tggtccaatt tttgcttttc 360

ttattaatag ggaatgttaa ccttgctaga cacccccaca ctt 403

<210> 18367
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18367

gcttaaatct agttttaatt ataaattact acaagaaaat tatgttatat attattttac 60

tgcaaactaa gaaataaaaa aattacttta aagtaaaaat ctacttctaa ttaaagatta 120

cttaaaaaaa attatcatat aaattatttt actggaaact acaaaataaa ctataaatct 180

aatttaatta taaaattaat aaaaactata cattcaaact gctataaata attacttaca 240

taaaattata acaaaaatgt attatcaatt acaattattt tgattgttat ataatttttt 300

tcatatttac caacttttct caggactcaa ttntttttta tttaaataaa tatcatgaca 360

tattcctttt cttttataca cacaaacaag ggatataaaa tataaaattc atttaattaa 420

aaaattatta acaactataa attcaaaacn gtct 454

<210> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18368

gtcttatgaa ttctttcaaa ttaataagag aattgtatgt tatcacatct ggttcacatc 60

ctgcatcttt catttcctca aacacagtga ctgctccagt taacatcccc accttttcat 120

acccataaat gagaggatta taggtgacaa tgtctggcct aagacccaga gttttcattt 180

cttcaaataa actcctggca gtttctatgc ccccttctct ggccagacag cctatcacta 240

tattatacgt aaaaactgag ggcgaaaggc cagccacaac catgtccttg aaaaggctta 300

atgccaattc ccctttgctt gattttgaaa gcctgtgaag aagatcatta caagacctca 360

cttttggcag aaccatgaac tngttcttct tccaaaa 397

<210> 18369
<211> 120
<212> DNA
<213> Glycine max

<400> 18369

ctagttcact acttctagta gttcaagata tgcttctaga ggatttctgt tgccaaaaag 60

ttactctcag gccaagaaga tactatgtcc gatgggtatg gagtattata agattcatgc 120

<210> 18370
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18370

aacttgtang tatatagaga tgaatgaagg gagagagaga gaagagcatg aaattttgtg 60

ctctaaaaga gctctgaaat ctgaagttaa tattcaaatg atcaaagttg aaaaaaaatg 120

cacacacatg acctctattt atagcctaag tgtcacacaa aattggaggg aaatttgaat 180

ttcaattcaa atttcacttt aatttgaaat tgaatttgtg gagccaaact ttggagccaa 240

aatttcacta attatgatta gtgaatttta gttatggttc agcctactaa tccaaaatca 3[illegible]

<210> 18371
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18371

ncttctgctc aacagtatat agccgttcat ggctcctttc cattctatta ccctccaatg 60

ccttatgtgc caaatgctgg aatccaagcc accattgctc cttcagctcc ttctcaagcc 120

aacatagcta ctgctagttc agcaccttca aacagatgga atccggattc tagtgcatcc 180

caccatgtca ccaatgtttc tcaaaatata cagcaattaa caccttttga agggtcagac 240

cagataacac ttggtaatgg acagctcctt gacattaact ccacaggtct aacttcattt 300

caatctcctt taaaccctac gtttcctcta attcttagca atttgctata tgttccttca 360

attactaaaa ttcttattag tgtgagttag ttttgtaagg ataatctagt taattntgaa 420

tttcatccta ccttctgtta ggtgaaatca t 451

<210> 18372
<211> 393
<212> DNA
<213> Glycine max

<400> 18372

agctttgtat attgggtgaa gcacgctaag atgtcggtgt gttgctatga cgaatggctc 60

catcgccgca tgagtattta acctatgaag aaatcaaaag taattaatat acacttgaga 120

gagagggatt agagattgaa tttatctata tatgttgata tatagcaatg aaaatgaaaa 180

tgaaaatttg taccaatgac tcatgagttg atggtagcaa gagtcatttg cgatgacata 240

agctttggct agtagccaaa ttgtggtctc aacaccttcc tragcaggta agacgaattg 300

actgacggca gctgacagat ccccagcaga atgtggcaaa cttaattcga tggccactgg 360

ctttaaagtt ccatcttctc tcaataaaag gat 393

<210> 18373
<211> [illegible]
<212> [illegible]

<213> [illegible]

agttttctaa tggtatgcct accccttcac ctaatcatat ttgcaaactg aaacgctctt 60

tatatggatt aaaacaggca ccaagagtat ggtttgaaaa gtttcgctcg acactacttg 120

tttttgaatt cactcaaagt caggatgata cctctctttt cctacacagg actcctaaag 180

gcatcatgga gcttcttgtt tatgtggatg acattgtggt cactggctca gatcaagatg 240

ctgtttctag aacaaaaaat cacctgcatt caacctttca gatgaaagac ttaggccatc 300

tcacttattt cttgggttta gaggcgcatt ataatcacca aggcatttct ctatgtcaac 360

acaagcatat tcaaaactgg gtccactagc tggactccc 399

<210> 18374
<211> 443
<212> DNA
<213> Glycine max

<400> 18374

tatggtgtcg ctcatgttct tggtttccct cacctacatg tgtttatact ctaaagctgg 60

tttccacgtc cacatcatca agcacgtgca gccacgctcc tttcatcatc aaccacctct 120

tccgttcctc aaacgtaacg gagtggccgt cttcatccca aacttccccgc acggaaaagg 180

ggaaaacggcc ggtgcgccag aaaacggagc tccgccacct ggtgtttcgga atcgcggcgt 240

catcgaagct atgggagcac agaaagaact acataaagac ttggtacaag aaggacaaga 300

tgagggggagt ggtgtggctg gacgatcgcg tgaagacgaa cccaaaggaa gggttgccac 360

caacgaaggt gtccaccgac acctcgaatt tcgtatacac caacaagctg gggcaccgct 420

ccgcgattcg aatcttccgc atc 443

<210> 18375
<211> 405

<212> DNA
<213> Glycine max

<400> 18375

agcttgagaa actcaattag cataaataga taatataaga gaatataatc acaattatca 60

[illegible]

[illegible]

[illegible] 4

ttattgatat tcttttaggt ttgggtggat aagaaacatg aggaaaggaa gaaagcatta 300

tggaggtggc caatgggttg ttaaactagt tagggtaaat agtcactttt atctttaaat 360

gaatataaaa tttagttttt gatagtgtaa aaagtgcgat aaata 405

<210> 18376
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18376

natccagaag aacttctagg agaagaaaaa aatgaaatga tcttttctat aagtgaaaat 60

natcttatgt acaagaataa ttgtagaaat tctctcatct ttagagaaac tagatgacaa 120

gtttctacca acttaggggg agccctagca gatataaaaa aaagttggaa agttaaatta 180

tctcacaatg ataataacat acatttcctt tcatgttaat gctgtcagtc aatttctcaa 240

tgcaccatgt gatagtcatt ggtatgtagt tgttcagatc ctgagatgca tcaaaggatt 300

acctggcaaa gggcttattg atatgaacaa ggctaacatc attgtacata caaatgcaaa 360

ttgggaaaga gatgctagtg atagaatatc cacgataggc tattgtgttc ttattggtgg 420

ngacttgata ttgag 435

<210> 18377
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18377

agcttatcta tcactttgta catgcaacct atcaaggata ttggtctata atcatttagg 60

gactgaggat ggttaacttt ggggataaga gccaagaaag aggcattgct gcctctaggg 120

aaacaaccgt tgacatggaa ctcatccaca aatcttctga actctggttt tagcacactc 180

cagaattcct taataaaatt gaaattaaaa ccgtccggcc cagggcactt atctccacca 240

[illegible]

[illegible]

tcagaatatc tgttaaaaaa gaatttaaca gcgcctatct ttac [illegible]

<210> 18378
<211> 399
<212> DNA
<213> Glycine max

<400> 18378

agcttgcttc ttctgaatat caaatgcatt ttgggaaaaa gaaatagaca aattaggatt 60

ggttagaaga gcactaactg aaattaaatt gaatttgaat ttaggaatgt aggcaacatt 120

atgcaagagt aaggtattgg ttaagcaaac tgaactaatg gcaatgatag gtataacatc 180

attgttaggc agagtgacag ttttatcaga aacaagttgg taagaccgaa aatgatgaag 240

ggaacaagaa atatgaatgc tggcaccaga atctaaaagc caacaatcat gaagaaaatt 300

agaagtggat gtagaaagga tcataccact ggcagaagaa caccttgagg gatgaaacat 360

tggagcatga cttctaaaag attatcaatt ggtatattg 399

<210> 18379
<211> 391
<212> DNA
<213> Glycine max

<400> 18379

agcttgtact cttgttattg gccgtgacga agagattaga agggttgtga ggattctatc 60

acggaggact aagaacaacc cggttctcat tggagaaccg ggtgtgggaa aaactgcggt 120

tgtggaaggg ttggcacaga ggatagtaag aggggatgtt ccaagcaacc ttgctgatgt 180

gaggcttatt gcgttggata tgggggcgtt ggtcgcgggt gccaagtata gaggcgagtt 240

tgaggagcgg ttaaaggctg ttttgaaaga agtggaggag gctgagggga aggtgatact 300

cttcattgat gagattcatt tggtccttgg tgctggtaga actgaaggct ccatggatgc 360

tgctaatcta ttcaaacctа tgcttgctcg c 391

<210> 18380
<211> 406
<212> DNA
<213> [illegible]

[illegible]

[illegible] 1

aagaagacca ttttcacctt taccaatatt gctcaagcaa cagaaccact gccaacacct 120

cctttcaaat aaacctcaga accctcctct cttccctttc atctcacgcc accggcgaca 180

cccaattcta caacacaaca ttcaccggaa ccaaccccтc cgacacaatc tacgccatgt 240

tcatgtgtag gggcgacgtc ccttctcagc tttgtcaagc atgcgtcata aacgccactc 300

aaagactctc ctcagaatgc tccttgtcca aagaatcggt gttttggtac tacgagtgca 360

tggttтggta ttccaccaac ccgatcttca ccaccgtggc cacaac 406

<210> 18381
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18381

tcaagaacag ctcccтcttc anagcctaag taaatatgtt agcttcttga tcttttctct 60

tatagtgtac tagatcagta gttccatcct tgcaaagatc tcttaaaaaa taaacttcac 120

atcaatatgc ttgcttcttc catgtagaat tggatttctt gacaatttaa tggttgaact 180

atagtcatag aaaattgtag tagctttaat ttgcttgaac tacaactcct caagaatttt 240

tctcaaccat atttggcttg gcaaggtgac aattggtttgc ttttttagatg accacaaaac 300

gacacctgtt ccaagcataa agacagaacc aaaagtgctc tttctatcat ctagatcacc 360

tacataatcg ttgtcagttc cccaaggttt catgttcctt gaaaatagtg aagaattctc 420

ttggcagcca acaaatgcaa ct 442

<210> 18382
<211> 287
<212> DNA

<213> Glycine max

<400> 18382

catccttgca cacatctctt aaaaaataaa ctccacatca atatgcttgc ttcttccatg 60

gaaaatcaaa tatgttgaca atctaatggc tgaactatat tcatacaaaa ttgtaatacc

agaaccaata gtactcattc tatcattcag accaattaca taatcg 286

<210> 18383
<211> 377
<212> DNA
<213> Glycine max

<400> 18383

ccaagccaat cataatgcta gacaaaatat agatgttatt ataggtaaca atggcggtaa 60

tgacggaccg aggcagaacc gggttaaggg agtaaagctc aatgttcctc ccttcaaagg 120

cagaagtgat ccagatgcct acctggactg ggaaattaat attgagcacg tatttgcctg 180

caatgactac actgatgtgc ataaagtcaa gctaacagca gctgaattct ccgactatgc 240

ccttgtttgg tggcataaat accatagaga aatgttgaga gaggaacgac cagaggtaga 300

tacatggact gagatgacaa gggtgatgag aaaaaggtat gtgcccacta gctataacaa 360

aaccatgcga cagaaac 377

<210> 18384
<211> 397
<212> DNA
<213> Glycine max

<400> 18384

tgttctttag tttaggtccc atgaatgttt atttcttggc tattccactt ctcacaaagg 60

ctacaagtgt ctctcaccta atggaaaact gtatgtttcc aaagatgttg tctttaatga 120

gtttaaatat ccttacaatg atgttttttc atccttatcc aactctgtca ctccatctaa 180

gagtaactta ttaccaactg ctcatattcc cattgtttca cctttctcta atgaacccag 240

tgttggcttt caaactgctg aaactaatcc tccttctata aatgctgacc ctcctattgc 300

cctaaatgct gaatgcacca attcccaaaa tgtcacacta tctttcttcct ctttgactgc 360

tgaaccaact tctgtaaatg atgaacactc taacact 397

<210> 18385
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18385

ttgtcttttta ggattaaaat cttcacgattg tcacatgttg atgcaacaat tgttaattcgt 60

ggatatacaa gacatcttgc caaacaaagt caggttagcc ataactcgcc tgtgcttttt 120

cttccatgcc atatgtagca aagncattga tcctgtcaag tttgatgagc tggaaaatga 180

ggctgcaatt atactgtgcc aatcgaagat gtattttccc cctgctttct ttgacatcat 240

gattcacttg attgtgcatc tgtcagagaa attaaatgtc gtggtcttgt ttatttgcac 300

tggatgtacc cggttgagcg atacatgaag atcttaaaag ggtatacaaa tgaatttata 360

tcatccataa gcattta 377

<210> 18386
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18386

agcttattct atctgntaaa tacaaggcat ccttgcctta tatagggaga ggacaaaaca 60

aaaaaaataa cagaataacc ttccatatgg atttaggtca cagcccaata attcaccacc 120

ttgaactaac atccatatag gacacaaact gctccctcca agcacacatg aacttaaccc 180

caacaatcaa cattgagcaa gcttaagcgg tgatcaaact tgctctttgg aacaagcttt 240

atgaacatat cagcaggatt gtgtagagtg ctaatcttat gaactttgat tcttctttct 300

aaccgaatga agtgatatct aacatctata tgcttggttc tatcatgatg aacttgatcc 360

ttggccaagc atatagcact aaggctgtca cagt 394

<210> 18387
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18387

agcttctana ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

[illegible]

[illegible]

[illegible]

ccttcaagcaa cccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360

acacaatgac aatccttcct ttgtgtttag agatccttta caaca 405

<210> 18388
<211> 394
<212> DNA
<213> Glycine max

<400> 18388

agcttgtatg gttaacgtct cacgattgac acgtgctcat gcaacaattg ttaggcgtgg 60

ctatacgaga catctttcca aacaaagtcg gggcagccat cgctacccta tgtgacttct 120

ttcatgcgat atgtaccata gtcctggatc ctgtcaagct cgatgagcta taaaatgagg 180

ccgcaataat acagtgctag taggagacgt attgtccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatcta gtcagagaaa tcaaatgatg tggacctgta catctgctgc 300

ggatgtaccc gtgagaacga tacatgaaga tcttagaagg atatacacag aatctatatc 360

gttcagaagg cattaatgat gagaggtaca ttgc 394

<210> 18389
<211> 395
<212> DNA
<213> Glycine max

<400> 18389

agcttttaaaa gattggctaa gattttgtta aaacataagc acttagacaa tgaaggaaag 60

ctggagcttgc tgtacatgat gtccaacggt atgtcaagga ataagatcgg actgcacaat 120

gcaataaggca aaataaaatg tcaaatgaag aattgaagtt gcaggatcca cgatgtcgga 180

tacaatgtcc tgacatcctg cccgaaaata ctggagttgc tgtacaatgc aagataaaag 240

acaagtgcag aagtgaagct gcaggatcca cgatgtcgga tacaatgtcc tgacatcctg 300

cccgagaata ctggaattgc tgtacaatgc aagataaaag tcaagtgcag aagtgaagct 360

gcaatatcca cgatgtcgga cacaatgtcc tgaca 395

<210> 18390
<211> 401
<212> DNA
<213> Glycine max

<400> 18390

agctttattt ttatgtgctt aagatgtgta tcaacagcat catcatcgtc attctcaaga 60

acctttcttta taccaacagt aggttgggca tctcctaagt ttgtaatttt caagcccttt 120

gaactgcatg agcaaaccaa aaaaaattgt ttatataact ataaaaatta gttgtatgta 180

aaatttggca atggaccaac atttacctga taaattcata caaattgtgg tactcatttc 240

tctgaatatt acgaaagaga tgttcttgtt cagattttag tctgaagaga aggtcaaaat 300

aatgcatatt ggaaccacca ccagcatgcc actcaaattc cacatagtca atctgataag 360

aaaggaaaaa aaacaattaa gatctccacg gtgtaaatat c 401

<210> 18391
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18391

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agtatcatta tcatctttct ccgtcattga ggtgccactn gagctgccag gtctctccac 120

ctttgggcgt attctttgaa agatctgtgc ccentttttgc acatgttctg ttgttgcatc 180

ctatccggaa ccatatcaaa atggtactga tactgcctaa tgaaggcaac ctttatgtcc 240

ttccaagagt ggactcgaga aggttccagg tcagtgtacc aagtaacagc taccccagta 300

agattttctt ggaaggaatg tatcagcagt tcttcatctt ttgcgcatgc ccncatcttc 360

caataatata tctttagatg gttcttgddc aaatagtccc cttgtacttg tcaaagtcca 420

gcaccttgaa cttgggaggg gtgatgata 449

<210> 18392
<211> 404
<212> DNA
<213> Glycine max

[illegible]

[illegible] 120

tnagacttta cccgtatctt tgtggatgta tgccttgaaa actgccatgt atttgttgaa 180

cagggttcct agtaaggcag ttccaaagac atcttttgaa ctgtggacaa ataggacacc 240

tagtataagg cacctgcatg tttggggttg tcaggcagaa ataagaattt acaatccgca 300

agataaataa ttggatgcaa gaacaatcaa tgaatatttc attggttatc cagaatagtc 360

aaaggggtat antgtttatt ggtctaatca tagtatgaga attg 404

<210> 18393
<211> 386
<212> DNA
<213> Glycine max

<400> 18393

agcttaatga aattttgttg ggtatatcgg aggacaaata catgagattg caagagggag 60

ttaagcaagt gcaaagacat tttgtggtga ataatccccc aaagaggtat gatgtattcc 120

atatgattat tcattccata tggctaagga ggttgaatgt gcgtgtgaaa taagtcatca 180

actctattat gttctctctc tattcatact tttgctaatg gttttaaagt ttaattgttt 240

gaccttcaat attttgatac ttaaaagata atagattcga gtataatttt atcttatatg 300

actaataatt tttaatcaag agtcatctct tttgtgactt aaaataaata taacaataag 360

agagatgact ctacgaaata tgaata 386

<210> 18394
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18394

tgtacggtta aagtctcacg attgtcatgt gctcatgcaa ctattgttag ccgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt cacgataact cgcctgtgct ttttcttcca 120

tgctatatgt agcaaagtga ttgatccagt aatgttttgat gagttggaaa atgaggccgc 180

[illegible] 240

[illegible] 300

ggaagcatct atngttgaga ggtacattgc 390

<210> 18395
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18395

agcttcatcc aactcaagca tggaaagaag acagtatata ccagtcattc gtatatttct 60

aaaagctntt cacccttatc gatgattgaa aaaagctttt aatggaagtc aggagaatga 120

atgccccccg gatgcattaa ccggaaacca agttcatgat cgcgtaaagg acattgtaac 180

tgtgtttggc aagtcccaga agaagacatc atctcccaac atgtggaaga agcgcttaat 240

attctttgat cttccatact ggtctgatct atatgtgcgc cactgtctag atgttatgca 300

tgtggagaaa aatgtgtgtg aatatttaat tggtactctt cttaacatta aaaggaagac 360

aaaagatggt ttgaaatgtc gtcaagactt ggttgacatg ggaatacgag agcagtngca 420

tcccatatca caaagtctgc gaacatattt acccctat 458

<210> 18396
<211> 401
<212> DNA
<213> Glycine max

<400> 18396

agctttttat tcaaatttcga gcgtctcaat atattacggg actcaatcag acatccgagt 60

aaaaagttat ctttgtttga attagctctg aggttcagaa ttcaatttcg agcgtctaga 120

tatattacgg gactcaatca gacatccgag caaaaagtta ttgtcgtttg aattagctca 180

gaacttcata attcaatttc gatcgtctca atatatttcg ggactcaatc agacatctga 240

gtaaaaaagt tattgtcgtt tgaatttgct gagagcttca acattcaatt tcaagcgtct 300

cgatctatta cgggactcaa tcagacattc gagtaaaaag ttattgtcgt ttgaattcgc 360

tgaagagctt c aacattcaat ttaagacgtc tcgatatatt a 401

<210> DNA
<211> Glycine max

<400> 18397

tatatatgta ggactgatga tcgctgtgat tgacatattc ctcgggataa aggtagtgtt 60

gccatgtttt caaagcctgt actaaggcat acaactcctt atcataagtt gaatagttaa 120

gggtaggacc acttaacttt tcactaaaat aagcaattgg atggccttct tgcatcaaca 180

cagccccaat cccaacattg gaagcatcac actcaatttc aaaagatttt tgaaagtttg 240

gcaacacaag tatggggcat taagtaacct tt 272

<210> 18398
<211> 393
<212> DNA
<213> Glycine max

<400> 18398

agcttgttat tgaacaaggg aagctctcga gaaactcaaa tgatcataac ttatcacaca 60

gatgttcgat tcaggcgcat aatattccga gacgctcgaa attgaacaac gaatgttgtt 120

gagaaattca aatggtcaga acttgtcaca cggatgtccg attaaggcgc ataatatatc 180

aagatgctcg aaactgaaca acgaatgctc ttgagaaatt caaatggtca taacttgtca 240

cacggatgac tgattcaggc gcattatata tggagacgct tgaaattgaa caacgaatgc 300

tctcgagaaa ttcataaggt cataacttgt cacacggagg ttcgattcaa gtgcataata 360

tatcgagacg ctcgaaattg aacaacgaat gct 393

<210> 18399
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18399

agcttctgtt gttcaatttc gagtgtcttg atatattatg cgcctgaatc tgacctccgt 60

gtgaaaactt atgaccattt gaatttctcg agagcttccg ttgttcaatt ttgagtgtct 120

[illegible] 180

[illegible] 240

gtcttcatat attatg 316

<210> 18400
<211> 263
<212> DNA
<213> Glycine max

<400> 18400

agcttctcta tatattatgc gcctgaatct gatcttcgtg tgaaaagcta tgaccatttg 60

aatttctcga gagcttccgt tgttcaattt cgagcgtctc gatattttat gcgcctgaat 120

cgggcattcg agtgaaaagt tatgaccatt tgaatttctc gagagcttcc gctgatccat 180

taccagggtc tcgattatta tgtgccgaaa ttggaatccc attaaatgta tgacatttga 240

atatttgaag cttcgttgta aat 263

<210> 18401
<211> 323
<212> DNA
<213> Glycine max

<400> 18401

agctttatgt tacatataaa aacgagtcta tattacctat tctattatgt ataaccaaaa 60

aatattatcc gcctaacatt taatacttta tttatctgta aattacattc aatttatttg 120

tatcaacgat ttttacatgc atgctatcca cgaatatgat gcttgttcca ttggaactct 180

caacatatat tttacattac aatcgatgga atttaattca gctaattgaa ccacgacata 240

taacatatta ctaacttcta atatctgatt ttattcttac atgtaaaaaa catatttcat 300

atgatattac attgatttca atg 323

<210> 18402
<211> 304
<212> DNA
<213> Glycine max

<400> 18402

[illegible]

[illegible]

[illegible]

agtatgacca tagttatcaa ctgacataca gaaaaaaaaa tggttcattg gtggatcaat 240

tctataatct tataatatta taataagcga gtatttaaaa taggactaaa ccttagcgta 300

tgat 304

<210> 18403
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18403

agcttattgt cgnttgaatt tgatcaaagc ttctgtattc aattttgagc ctctctattt 60

ataaaggcac tcaattatac atttgagtaa aaagttattg tcatttgaat tttctagggt 120

cttatgtttt taatttcaag catctcgata tattacggga ctcagtcgga catccaagta 180

aaaagatatg gccatttgaa tttccttgga tcatacagtt ttaatttcag gcgtttcaat 240

attttacggg actcaatcag acatccgagt aacaaattat tgccgtttga atttactggg 300

agcttncatt tntaattcg agcgtctcag tatatgacgg gattcaatc 349

<210> 18404
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18404

agcttatgac cattcgaatt ttcgagagct tccgttgttc aatttcgagc gtctcgatat 60

attatgtccc cgaatcggac atttgtgtga aaacttatga ccattcgaat ttctcgagag 120

ctatcgttgt tcaatttcga gtgtctggat gagttatgtc cccgaatcgg acattcgtgt 180

ggaaagatat gaccattcaa atttgtccag agggtccgtt gatcaatttc gtgcgtctcn 240

atatattatg tccccaaatc gaacatccat gtgaaatgtt atgatcattc gaatttttcg 300

agagcttccg ttgtgcaatt ccgagcgttt agatgagcta tgtccccgaa tcgacat 357

<211> [illegible]
<212> [illegible]
<213> Glycine max

<223> unsure at all n locations
<400> 18405

agcttggttt ccaacgctct gttcaagctc tcccaaaatc tagaggtaaa tctaggatct 60

ctatcagata ctatgctaga ttgcacacca tgtaacctga caacctcact tatatacaaa 120

gtggtcaact tttccatgga aaatctgata ttaatgggaa tgaagtgagc aaacttagtc 180

aatctatcaa caataaccca tataaaatct aaacctctca gggttctagg tagtcctacc 240

acaaaatcca tggaaatgct gtcccacttn cactatggta tctctaacgc ttgtaactta 300

cctgaaagtc tctgatgttc tatc 324

<210> 18406
<211> 186
<212> DNA
<213> Glycine max

<400> 18406

gaaagagtga tacgatcatg atgccacaca acatactagc cttgaacctc atgcgcctat 60

cctgaggtgg ctaaagagcg aacaagctca cactgatcgc ccttcgctca ctgtgcgctt 120

tctgaatggc aaacggtgcc tgacgcctgc tttaatgaat acgcctatgc gaagctcttg 180

cagccg 186

<210> 18407
<211> 436
<212> DNA
<213> Glycine max

<400> 18407

tcgatggaga acaaccttag gatgcagagg gaacactttc agagatgtat aaattgtgca 60

agcaaaatag gtcacgtcta atataatttа aattgtaagt tcaacatcgg ttttcaataa 120

aaataaacaa aaaccaatgt taacaacttg atgttaacgt taacatctat tttattaaac 180

aaaccgatgg taacgaacta aggttaacat cggtttttatg aaaacccgat gttaactaat 240

taatgttaac atcggttatt cgaaaaccga tgttaaattc acttcattaa catcgaattt 300

.....

.....

attctgcaac atagat 436

<210> 18408
<211> 445
<212> DNA
<213> Glycine max

<400> 18408

actcaagctt atgctgcaaa catttataat agaccacctc agcagtaaaa cctttctcaa 60

ctaaataatt atgacctttc aagcaataga tacaatccag gctggaggaa tcatccaaat 120

ctgagatgga caagtcctcc ataacaacaa cagcctgccc ctccttttca gaatgttaat 180

ggtccaagca agccatatgt tcctcctgca atgcagcaac aacagcaaca gtcacaacaa 240

agacaaccag caactgaggc tcctcctcaa ccttccttag aagagttagt gaggcaaatg 300

atcatccaga atatgcaatt tcagcaagag acaagagcct ccattcatag tttgacaaat 360

cagatggggc agatggctac tcagatgaat caagctcagt cccaaaattc tgacaaattg 420

acttcacaaa ctgtgcagaa tccta 445

<210> 18409
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18409

gcgatgtgtt ttatcttatg nggctcgcat atagcatatc ctcagcatat aacaccacga 60

atgagcactt acttcctctc aacttgtggt atacaccatc atcacctgct tttgcctcac 120

aatcatatga cggaacgacc tgacgaaacc tgtaatacca ttgatgggga tctcgtctct 180

gacaatacat gaatccatct aggctgcaca ccctacactt tgagttacct gtaacacagc 240

tctatggatg catcacatca attgtgtgta caatgtcacc atttataaac gtacacctaa 300

ctacaatcta gcagttccta 320

<210> 18410
<211> 100
<212> DNA
<213> Glycine max

<400> 18411

agtatgatag atacgctgga tcagacctaa gctcttcctc agaagcaatc ccattcacat 60

cctttcgttcc tcgaaactct gaaaaggcag caggagcacc accaccacca ccaccagcaa 120

acaaccctcc tacggcactc aaagaaccgt ccacagttgg aggcgccgat ccactcctaa 180

aaatattaag ctctcgctca cgatcatcag cctcttgtct gcgttgctca cgaagtaaca 240

tccctatctc cttctccaat tcatcaccaa aagaaccctc gtttactcca agcataggtc 300

ttcttcccaa ttcagacaac atttttcaaa atctcaattt gatcaccacc cacaaatcat 360

caacctcata tagcagaaac tgatcactac ccaccaccag aaatcaaacc 410

<210> 18411
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18411

tgcatacgtt ttcccaattt agtttgngaa tcatctttct ctacctagnt aattctctct 60

ttncataatc ctcatatccc ctgagttgtt acagggatta gagcacatat cctcaatgat 120

ctcgatggca tcaatagggg gttttaacat gaggttaccc ttacaagcaa catctaaact 180

tgtcctattg tgtgaggaca ctctaccata gaatatatgg atcagtatct attgagtaat 240

gtcatggtgt ggacaacttc tggtaatttc tctacgagcc aaaaaccttg tttgcgacat 300

tcccccctgtt atagaaggta taaaaataat aaataatgga attctttgta agagctacaa 360

aaatgacaac tctattagaa agtagaatct tgcaaccttt ctcaagcgct ctcttgttct 420

ctatgtacaa agt 433

<210> 18412

<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18412

[illegible]

[illegible] 180

tcataatctc tagctcttct gtgtatttga tctttaaagc tcacaaaaaa tctttcttta 240

atgtaattga cargacatgg acttgatttc ggcttatata tatataagtt aatttggaga 300

cacgacgatt gtcttctgtt taatcatcaa atttagttct taccaccaac atttttttaat 360

gacttgagtt gatata 376

<210> 18413
<211> 362
<212> DNA
<213> Glycine max

<400> 18413

tcgagtaaaa taaaagatta aatggtctta atctattaca atttttttaaa tgataaacta 60

aaaaaagttg acacattaaa attaataagg gaaaagttaa tcctgatact tttcttgtat 120

taacaaaaaa aaatttgaca ctaaaataaa tgagattagt aactatgcac agtaaaaaat 180

tcaatcacaa atatttttta aaataattat tctaaactat taacatccgt ttagtagagt 240

aaacataaat gaaaaataaa taaattaaga tgaaaattta gaattaaagt atacaataaa 300

agtatgaatc cccatatcat gtatattctc ttaattttca tcttcttta ttttcaaacg 360

aa 362

<210> 18414
<211> 434
<212> DNA
<213> Glycine max

<400> 18414

tgtgcattca atatcctgat gagggtgttc catatgttct caagattgga ctatatacat 60

ttgctgccca agtttcatgg tcttgcaggt gaagatcctc ataagcatct taacgagttc 120

catattgttt gttccaccat gaagcccccc aatgtccaag aagatcatat ctttctaaat 180

gcttttcctc attctctgga gggagtggca aaagattggc tatactacct tgctcccagg 240

tccattttca gctaggatga ccttaagagg gtgttcttgg agaaattctt ccctgcctct 300

[illegible] 414

<210> 18415
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18415

agctnggtgn attagnngna acgancttca agagtgcatc cagtctcaag ggtcacgacg 60

aagctcgatt agtagtcata ctaaagagca gattgaggat attttaaatt caaagcagag 120

attaaagggg gaaaagaata tgcccaagga agatctacat attaagcagg ctgcagcgct 180

ggttgtcaaa cttgaaggaa attctctgtt ctcatctgga agtattgctg gagctgcatc 240

aaaatactct gaagctttgg cattgtgtcc tatgagatca aggaaggaga gagttgttct 300

atacagtaat cgtgctcaat gccacctttt gctgcaacaa cctttggctg ccataagtga 360

tgctacccgt gcactatgtc tccataaacc tgtcaatcgt catgc 405

<210> 18416
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18416

taagtttaag atttcttaca tctttcccga aatctggata caaacgatta atcttcttcc 60

actggaagga atcagccaga tggtggagta ttccatccca atttatccca tgtgcatgcc 120

atgtaagtta tgttgcataa tctgcattag caaacaaacg cctaaacctt ggaatgatca 180

gaagatacta ttacacattt gctagggggc ctttctttgt gctttcatca ctgctgaact 240

catcatcatc cttcactttg taccatgata ccccacacct gnggcattta tggagttctt 300

caaactcatg tctgtgcaat atgcaatcat tatagtattc atgtatnttt tatactccat 360

acccattaga cacaatatct tcttcgcctg ataataactt 400

<210> 18417
<211> 1
<212> DNA
<213> Glycine max

<400> 18417

atatcattat gaatcacgtc ccaatatgtt gaagaaaata ggttgaaatc tgtttgggct 60

aggagccttg tgagatttca tgctcatgag agcatgcttg atttcctcct ttgtgactgg 120

ggcagtgagg gcttccttag cttcttggct aaacataaga acattacgaa tatgaatgac 180

aacctcaaag gagttgtggg gaaggcaaaa gagattctag aagtaggatt aagcctctgc 240

cttcaagatg tttgcatccg agcaccaggt gccatcatcg agctttagat tgtgaattat 300

gttacgatgc ctacgcacaa tagtttgagt gtgaaaaaac ttagtgttgc ggtagcccga 360

tctgatccag tcctcacac 379

<210> 18418
<211> 332
<212> DNA
<213> Glycine max

<400> 18418

atcttcttat gatgcaaatg agtttgtagc tacctcatgc actcctctaa tgactatagc 60

atcatttctg gcgctaaact gctgggagtt ggaagccatc tcctcaatta aatttctggc 120

ttcagcagga gtcatgtctc caagggctcc accactagca gcatctatca tactcctctc 180

catattactg agtccttcat aaaaatattg gagaagaagt tgctccgaaa tcggatggtg 240

agggcaactg gcacatagtt ttttaaatct ctcccagtat tcatataggc tccctccact 300

gagttgtata atacctgaga tatccttcct ga 332

<210> 18419
<211> 399
<212> DNA
<213> Glycine max

<400> 18419

tcagtcttac acctctcatt cttattactt tttcaatatt gaaaaagtca taacaatgaa 60

aaatgaaaag gtcgtcttat tcaaaacccc aaccaattat gaaatccgct atctccgact 120

tcacacctcg gaacgcaccg ttcttataga gagaggcgct ttcacatctt cttaggctgg 180

[illegible] 240

[illegible] 300

taggacaatc atgatcgggc tagcggaccc aaagctatg 399

<210> 18420
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18420

agcttgctca ctgttgcatg ctccanatat cttgtgcata ttggcgaact tctgaggctc 60

ttttggaggg aaatatgggg agaaaatgca atccatcatg cattttctta agaacttgca 120

ggcatcacaa ggagagttag agtagctaga tgaggccatg atctttactg caattatacc 180

aactatgaat caagcacgta caataaaaca atttactctc aaatgttgga ataagtgctt 240

acgatagatt ataggaacaa ttgactaatg ctcacagaaa catattgatc ttctttaata 300

tttatataag caataaggaa ataattcatt atagagagta caaattgaat ggtactctaa 360

ntcatgagta caacgtttaa gataacatta aaatcaaaat acattac 407

<210> 18421
<211> 416
<212> DNA
<213> Glycine max

<400> 18421

cggaaaagct ctgtcagctt cttcattcct tgaaattgat ccttgtctag taaggcgggt 60

agaggagcag ctaaggacgc gtacccctta atgaaacgac gacaaaaccc cgataatccc 120

aagaacccct gtagggcaca cgtattccga ggagtaggcc attgttgcac cgcggttacc 180

ttcggccaaa ctggttccac cctttttttc gataccaagt agcccagata ttccacttgc 240

tgagttgcga aagagcacat tgataacttc atgacaaagc tatggtcagc taagacttgc 300

aatatctttc gcaggtgctc aaggtggtcg gagaaggtct gactataaat caaaatatcg 360

tcgaagaaga cgattacgaa tttatgcata tacggtccca aggtctgatt catagt 416

atttcgtttt [illegible] tgggctc [illegible] gga [illegible] tac tggtatcctg 60

aacttcttct atttttcttt aaaactttct aaatatagca gaagattatt tttcacggaa 120

[illegible] agggctttc aaagaagtcc aaacaagggc 180

[illegible] [illegible] [illegible] [illegible] tcagcaccgt [illegible] aatcttgtaa 240

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aatttatgaa tacatgccca 300

[illegible] ggaccccttа cgattttatt ctaaacatct 360

[illegible] ttatacactt acagcg 406

<210> 18423
<211> 405
<212> DNA
<213> Glycine max

<400> 18423

agtctttgta ttctggaatc atttatccta tcttcgacag ccaatgggtg agtcccgtcc 60

aggtagtcac taagaaaacc ggcctcactg tcataaaaaa ttagaaggaa gagctgattc 120

ctactcgggt gcagaacatt tagagagtct gaattgacta taggaggctg aaccaggtta 180

ccaaaaagga ccatttttcca ctgccattca ttgaccggat gcttgaatgc ttggcaggat 240

tatataggcg ctttataaga gattttagca gagtagccct tccactatct aacttgttgc 300

aaaaggagat ggagtttgac tttaatgata aatgcaaaga ggaactgact accacccctа 360

tcattcaggc acctgattgg acagccccat ttgagctaat gtgcg 405

<210> 18424
<211> 392
<212> DNA

<213> Glycine max

<400> 18424

tgactagctt ttgctagttc tatcatctca aaatacatag tggactgagc taagatagtc 60

[illegible] 120

[illegible] 180

[illegible] 240

acataagcta tgtcgggtct agtacaatca gtggcatacc taaggctgcc aatgatactt 300

gcttactcag tttgccgtat accttcacca gt 332

<210> 18425
<211> 391
<212> DNA
<213> Glycine max

<400> 18425

gttatgcaag aagcgtcttc taggcattct ccaaatatca aataatatta gatagtacct 60

gagccaaata gccccccaat gctgggccaa tgatcaaacc tatgccccaa gctgcgctga 120

cctaaaatca aatctcactt tcgattatta ttatggaaat gtagttctaa aatctactac 180

tataacagag gtggtgatgc ttacagttga gagtcctata ccttggtgtt cttgtcgaaa 240

aagttcatag gcataggcct gttaaataga ggagttaggc acacagaagc ttaaatggaa 300

gcgtgaaagc gatcgaacag ttatatattc aattgtgcac acacattcaa gacttgtatt 360

ctgaaacatg agagtgctaa ctttgatacc t 391

<210> 18426
<211> 398
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18426

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tccaaagcta ttgtcgtttg acttttctta gaactatcgt tttcgatttc gagcgtctcg 120

atatatttaa gggctcaatc ggacatccga gttaaaagat attgccgctt gactatttct 180

agagattccg ttatcaattt cgagagtctc gatatattac agggctcaat cgaacatccg 240

agttaaaagt tattgtcgtt agatttttct cagagcttcc gttttcaatt acgagcgtct 300

cgatatccta cgcgacacaa tcggacatcc gagtgaaaag ttattgtcgt gtgactcttc 360

<211> [illegible]
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18427

tgcttgagca aattcaaacg actataactt ttgattctta tgtccgattg tgtcccgtat 60

tatatcgaga tgcttcgtaat tgaaaatnga agctctgagc caattcaaac gacaataact 120

tttgactcag atgtccgatt gtgtcccgta gtatatcgag acgctcgaaa ttgaaaactg 180

aagctctgag aaaaatctaa cgacaataac tttttactcg gatgtccgac tatgtcccga 240

aatacatgga gacgctcgta attgagaact gaagctgtga gcgaattcca acgacaataa 300

ctttagactc ggatgtccga tngagtcccg aaatatatct agacgctcgt aattgaaaac 360

agaagctctg agaaaa 376

<210> 18428
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18428

nttatgtggg atacccaatg taagcatagt ttccagttca ttattgtaaa attgacaacc 60

gctctagtgt tagttttgcc taacccgaga gaacccttng aggtgtattg tgatgcatca 120

aagatgggtt taggaggagt gttaatgcaa agtgaccaag tagtggccta tgcttctaga 180

gaactcaaga ctcatgagaa gaattatccc acccatgatc tggagttggc tgttgtgatt 240

tttgcccttn atatgtggag gcattacctg tttgggtcca agttttatgt gtttagtgat 300

catnagagca tgnaagtactt gtttagttag aaaaaatccga acatgcgtca aaggaaatgg 360

ttagagtttc gtaaggatta tgactttgag cttagctacc atcccggcaa agccaatgtn 420

ttggttgatg ccttaa 436

<210> 18429
<211> 421
<212> DNA
<213> Glycine max

atcttgagat aagggtctat cattgaacct ttgactattt atcctatcta cttgggcttt 60

gactcaatgg ttcctttgaa tcctttgtac catggatcca ttggcaccat tgtctcccca 120

ctcaataaac gcctaacatt ggcaatgatt tcccttggat tataattggg aatgtaagaa 180

ctgcagtcta tcccaattcg ttgactacca ttgacaagaa ccaatggtat tactggtatg 240

tacctgtaag gccagacaac aaaaattatg tttaagggac acatgcaaat gcagtagaaa 300

acacaaacag attctatcaa ctgaaaaact gtgttntgaat accatacaca aacaagggct 360

aaattgtaga tgtttcactc tcaaccgcac catcaaagat actgacaaaa acatgttgat 420

g 421

<210> 18430
<211> 396
<212> DNA
<213> Glycine max

<400> 18430

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aatatgcacc tgtcgccaga ctctgtggtt tatgctcctc tgccgaccac cacacggacc 120

tttgcccttc tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gctgcaaaca 180

tctacaacaa acatcctcaa cctcaacagc aaaatccgcc acaacaaaat agttatgacc 240

tcttccagca caggtacaat cccggatgga ggaatcatcc caacattaga tggtcaaatc 300

cttcacaaca gcagcagcaa caacaacaac cttatttaa aatgttgctg gcccaagcag 360

accatacatt ccaccaccaa tccagcaaca acaaca 396

<210> 18431
<211> 416
<212> DNA

<213> Glycine max

<400> 18431

tcttagtctc agatgatgca ggtgagtttg tagctactct catgctctcc tctaaagact 60

ctagcatgat ttctgtcggt aaactgctga gatctggaag ccatcttgtc aatcgaattt 120

tggtgagtgg aactggcaca tagttgtttg aatctctccc agtactcata caagctctct 300

ccactgatgt gactaatacc tgagatatcc tttctgatgg ctgcgcgcct agaagcaggg 360

agatcttttt ctaagaatac tctcttaagg tcatcccagc tcgtgatgga ccatgg 416

<210> 18432
<211> 398
<212> DNA
<213> Glycine max

<400> 18432

agctttgttg gtgcgtagct caccatcttt tcatagtaga ataccggtaa tgtgtctact 60

atcattatca tcatttttt ttctccgtca ttgaggtgcc acttgagctg ccaggtctct 120

ccacctttgg gcgtattctt ttgaaagatt cgtgccacct ttttgcacat gttctgtagt 180

tgcatcctat ccgaagacat tatactgaca ctgcctaacg aaggcaatca ctaggtcctt 240

ccaagaattg actcgggaag gttccaagtt agtgtgccaa gtaacagcta ccccagtaag 300

actttcttgg aaggaatgta tcagcaattc ctcatctttt gcgtatgcct ccatcttccg 360

ataatacatc tttagatggt tcttggggca agtagtcc 398

<210> 18433
<211> 404
<212> DNA
<213> Glycine max

<400> 18433

tttagcttgg atttcctttt agtagggaat ctatccttcc taagatggag ccaaacccag 60

tcactctcat taagaactag ctcttttctt cctctattgc ctttagttga atacacctit 120

gtttggttct ctatttggtt cttaaccctc tcatgcatct tctttacaaa ttctgaccta 180

gattcccctt ctttatgtat aaaagaagtg tccagtggga ggggaatgag gtctaacggt 240

gttaggggat taaacccata gacaacctca aaaggggact gcttggtggt tctatgaacc 300

ccactgttgt aggcaaattc tacatgagga agatactcat cccaagactt atggctgcct 360

ttcataaagac ccctataag gatggataaa gaccattca ctac 404

<210> DNA
<213> Glycine max

<400> 18434

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agactccacc aagattccct gggtgaggtg ggacatagtc tgcctactaa gagtaaaggt 120

gggttaggga tcaaagattt gattaaattc aatgaggctt tgcttgctaa atgggggtgg 180

gagttggaaa ataatcagaa tcagttgtgg gccagaattc tattgtctag atatggtggt 240

tggagggatt tgatttctga tatgaactgc agtttagact ctccttggtg gaaagacctc 300

aaggatatct tcaagcagca gcatagcaac acaatttgca atcacctgaa gtggaagctg 360

ggatcggga 369

<210> 18435
<211> 403
<212> DNA
<213> Glycine max

<400> 18435

tgcatttatt gtttgccctt aagatgtgga ggcattacct atttggctcc aagtttgagg 60

tgtttagtga tcataatagc cttagtactt gtttggtcag aaagagttga acatgcatca 120

aaggagatgg ttagagtttc ttgaggatta tgattttgag ctaagctacc atcccaacaa 180

agccaatgta gtggctaacc ccttaagtag gaaatcccta catatatatg cctttgatggt 240

tagagaattg gatctcctaa aacaatttac agactttatc cttgtgtgtg aggttacccc 300

taacaatgcg agactaggag ctttgaggat tactagtgag ttgttaggag agatcagata 360

tggtcaaaag gttgatcctt ttctgaagac taagatagaa gct 403

<210> 18436

<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18436

[illegible]

[illegible] 120

[illegible] 180

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cttattcct tttgttagga attcggttca acaagtaaca ggctgccaac atagcctcac 300

ccanaatcc ttcacttgaa cctgaatagg ataacatgaa attcaccatt tctttcaagg 360

ttctattctt cctttcggct acaccattc 389

<210> 18437
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18437

tcacaaaagt gtgtatggct tgaaacattc accgatgcag tggttcaaga agtttaatga 60

gtttatgagc aactcaggat tcaaaagatg tgacatggac cattgctgct atgttaaaaa 120

atatactaat agttatgtta tccttgttgt gtatgttgat gacatgttga ttgcaggatc 180

tagtatggca gaaattaaca ggttgaagca gcagttggca gaaaactttg aaatgaagga 240

tcttggtcca gctaaacaaa tccttggtat gagaattctc agaaacatat cagaaggaat 300

tttgaagctg tctcaggaga aatatataca caagttgctt gacaggtttt accttggaga 360

ttctaagacc aggaataccc ctttgggatc tcatttgaag ttntcaaaga agcaatcttt 420

gca 423

<210> 18438
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18438

tgtcttaaga aaacccattc cccaacctca aaatgcctgt cagccctctt tctgtcagct 60

tggttcttca tcctattctg cgctcatcgc aactgatact tcaacttgtga aattgcttca 120

[illegible] 180

[illegible]

[illegible]

ttgaggatga tatgctgtgt tcatcttcag agct 394

<210> 18439
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18439

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gaagaagaag acaaaaacaa tatttatact ggttcggcca caaaccgtgc ctacatctag 120

tccccaagca acttgcggtt cttgagattt ctttcaacct tgtaaaatcc tttacaagcc 180

aaagatccac aagggatgta ctctcccttg ttctctttga ataaccaagt ggatgtaccc 240

tccacttgaa ctgatccaca agagatgtac cctctcttgt tctcagtata acaatcccca 300

agtagatgta ccctctactt gtaccacana ggatgtaccc tccaatgtgt tgggacaaag 360

aattctcagg cggttagtcc tttgaatctt tgtaa 395

<210> 18440
<211> 402
<212> DNA
<213> Glycine max

<400> 18440

agcttatata catctgcaac gtgaattctg ttacaactga aaagataact aactaattca 60

gccaactaac taactatttc tgttaaagct gtttatactg ctaagagccc ccctcaagct 120

ggaatggat attcatcatt cccagcttgt tacaaagggg ctgaaaggtg gctggtggta 180

aagctttggt gaatatgtcc acgaattgca tgaaaatga cacaggaaag agctttacga 240

gacccgcaat gactttgtgg cggataatat ggcaatcgat ctcgatatgc ttagtgcgtt 300

catggaaaac gggatttgtt gctatctgaa ttgcagattg gttgtcacaa tataaggtgg 360

ctggctgaat aaatgctaca ccaatgtctt ggagaatata cg 402

<400> 18441

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ttttggctaa aatttacatg aggcagaagt agagtcaact tatggcgagg accaaaattg 120

ttgaccatgc aatagaaact agagttctga tttctatcta gtatctagag cagtatcatg 180

ttctgtggct tgcaattttt taaaaattga tgttcttatt tgacaatcct ttatttgatg 240

cagaaaatcc attatttgat aatgatcttt cctcatttta tttctcattt ctactactat 300

tattttatat cataataatc aggtgctttt tcatcaggtt tattaataac ttgaaccctt 360

tcctttcttg ttttcattta taatgcatct aatcta 396

<210> 18442
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18442

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aagctcacct ccttgaaaag cttccttaag aagattccta aagaagctag aacttagcta 120

cacatacctc tctaatggct aagctcacct ccttgagatg agaagctaga gcttagctac 180

acacccccta taatagctaa gctcacccac atgacaaaat acatgaaaat acaaaacaaa 240

atcactactg cacagactac tcaaaatgcc tcaaaataca aggctaaaac cctatactac 300

tagaatggcc aaaatacaag gcccaaacga aggagaaacc tattctaata tttacaaaga 360

taagcggctt catacttagc ccatgggctc anaatctacc ctaaggctca tg 412

<210> 18443
<211> 338

<212> DNA
<213> Glycine max

<400> 18443

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[illegible] 120

[illegible] 180

ggaggagact tdaacaagcc caacacgtca tagagacaag gctggtcatt tgtatagctg 300

ccattgatga tgattgaagg cccaagtgga gaaagatg 338

<210> 18444
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18444

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ctttttagta gtttgacaca cctccacacg tgtttggcta gccctagtgg caactcttga 120

catgtagtta aagcaattca gtgccaaaac tgtctttctc catggaagac aagaggaata 180

catttatgatg ttatgatttg aaggttttga ggtggaagca aaggaaaatt ttgtctttag 240

attgaagagg tctctntatg ggatgaagca atcaccaaag caatggtgca agagatttga 300

tgagttcatt atctcgcatg ggtacattag aagtctttat gactcatgtg tttatcatag 360

caaggtggag gatggttccc acatatatct attactctct atggat 406

<210> 18445
<211> 423
<212> DNA
<213> Glycine max

<400> 18445

tatgctgcaa atatttacaa tagacctcct caaccttatc agcataatca accacagtag 60

aacaattatg agctttccag caacagatac aaccctggat ggaggaatca ccctaaccta 120

agatggtcca gcactcagca acaacagcag cctgctcctt ccttccaaaa tgctgctggc 180

ccaagcagac catacattcc tccaccaatc caacaacagc aacaacccca gaaacagcca 240

acagttgagg cccctccaca accttccctc gaagaacttg tgaggcaaat gactatgcag 300

aacatgcagt ttcagcaaga gaccagagcc tccattcaga gcttaaccaa tcagatggga 360

caattagcta ctcaattgaa tcaacaacag tcccagaatt ctgacaagct gccttctcaa 420

<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18446

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tnactagggg gaattctact tttatgatgc ttgagaagtg cccttgtata tcgatgtgct 120

ttttgtagtc tggaatttga tgataggagc tattcaagtt gtcttattaa tgaagaatgg 180

gagagaggac aaaatatgtg tgatttttg cgtccttttt tttaaatcac agagttgata 240

tctggttcct cttatccaac gtctaatttg taattcatgc aagtgtggaa aattgaatgt 300

ntattgcttc aaaatttgag taataaggat gagttgatta gaacaatgga aattgatatg 360

aaaacaaagt ttgataaata ttggagtgat tatagcaat 399

<210> 18447
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18447

agcttttcacc ccacccacca ttaactcacc acatggcaca cctcaacatc ctgccttacc 60

ttctcccgaa cctgtccatg tttcatcttc ttctcaatca cttgcaatgg aatcactctc 120

tcggtcttct acgccaacta tatctcaaca ttccatggtc actcgtggaa aagctggaat 180

attcaaacca tagaaattat tctctgtgag caagcatcca attttttcag ttgaagaacc 240

aactagtgta ttccaaagcac tacaatgtca tcaatggaag caagccatgt cagaagaatt 300

tacccatctc atgaataatg gtacatggtc tctagtccnc agtcaaccac atttntaatgt 360

cattggaaac aaatgggtgt ttcgttttaa aagaaatcca aatggatc 408

<210> 18448
<211> 419
<212> DNA
<213> Glycine max

aatatttgtt acctatcttt aactaaaaga actttatagca ctacaaaata aaaattaaat 120

gaaggagttt aatacaattt acataagttt tatacacaaa agttagttgt attcatcgac 180

taacacacac acacacaatg taagtgaaaa tcactattac accattaagt agcttcttac 240

tggatcattt tatcccaaaa tccaccattg gatagaaatg tcttgtcata gacatcatgt 300

gtataaagtg ttccattaat ccaaactttt gtggtacttt attaatatac aattaaatat 360

taagattaac atagtatatt agaatcattt tattactttt attgttcaat ttatatgag 419

<210> 18449
<211> 378
<212> DNA
<213> Glycine max

<400> 18449

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cattttgatt tctttgtgtg tgtttatatc ctccattaca atgaattgtt ctactaaagt 120

ttttttttt ttttttcatt tgcaagcaag aatacatatg ccttttataa tttgctcgat 180

tatatttttt gtgaccaaaa cataggctac catgcaaggg ttgcaaggtc cccaaccttg 240

gagattgcta ctcttattga agggacaatg tattttatac agaagacatg gagatgtatt 300

ggagccattc aaatatgccg gctatcccat gttgctgagt gctgttactg tggacaagga 360

tgacaacaat tttctttt 378

<210> 18450
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18450

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tgtaaattga tatcttcata cctgcaaatt aatatccact tataatagag caatgatgga 120

tatataatga agtactcata catgtaggta actgtaattt gaaattattt aaacgttctt 180

[illegible] 240

[illegible] 300

tatacaccgt cacatcttag taaaaata 388

<210> 18451
<211> 381
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18451

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tgctgatcta tctcctctgg tttccttccc ttctcttttg gtttaatctc agccaccct 120

gactcttcac tntcagataa ggtagctgaa gttaaagaat caccttttaa tttaatttgc 180

tgaggagaat tgccagccaa acgtctgaca aatcccaacc caagatcatt atcagtcaca 240

tcagatacag aatctaaagc aggggagtca tcattacttg atacaatggg cacaaaattg 300

gttcttctgg cagtacggga gctctttngt ggcctctgcc agtggacaac aggtggggaa 360

gatgatcgtg cggatgccac a 381

<210> 18452
<211> 418
<212> DNA
<213> Glycine max

<400> 18452

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attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt 120

agtgcccaac ttgctccaca aagtcctcca aaaatggctt atgaacttag agtcccctatc 180

actaacaatg ctcctttggca aaccatgcag tctcacaatc tccttgaaaa acaaatcagc 240

cacatgggaa gcatcatcaa ttttttttaca tggaataaaa tgagccatct tagataacct 300

atcaacaacc acaaaaatgg aatctctacc attgcttgtt gttggcagcc ccaaaacaaa 360

atccatggat aaatcattcc aaggatactc cggaattgca atggatatac aatcatga 418

<400> 18453

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ttgttcattt tcgagcgtct gtatatgtga tgcgcctgaa tcggacatcc gagtgaaaag 120

ttatgaccat ttgaatttct cgagagcttt cgatgtttaa ttttgagcgt ctcgatataa 180

tataagcctg aatcggacat cagtgtgaaa acttatgacc attttaactt ctggagagct 240

tccgttgttc attttttagc gtctctatat gtgatgcgca tgagttggac atccgagtta 300

aaagttatga ccatttgaat ttctcaagag ctatgcgtgt tcaatttcga gcgcctcgat 360

atattataag cttgaatcgg acctgagtgt gaaaagtatg 400

<210> 18454
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18454

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gacctcaagg tgatggcact cacatttttc agattctgca ccgtttgtga aggcaatttg 120

tnagaatatt gggactgagc ttggttcaac tgagtagcct tctgccgtat ctgatttgtc 180

ggactctgaa tggaggctct tgtctcttgc tgaaatttca tattctggat ggtcatttgc 240

ctnactaact cctctatgga aggttgagaa ggggcctcag atgcttgttg tctttgttgt 300

tgcttactgca ttggaggagg aacatatggc cttcttggac caacaacatt ctggaaggga 360

gggataggct cgtgntctac tgatgttgtt gtggaggatt ttcccatctc acatttggat 420

ga 422

<210> 18455
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18455

[illegible]

[illegible] 180

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ataaagactc tggtctcttg ctgaaattgc atattttgga tggtcatttg cctcactaca 300

cttctaagga aagttgagga ggggccttag ttgcttggtg tctttgttgg tgttgctatt 360

ggtgctgcat tggaggagga acatatggct tgctntgacc agcaacattc tgganaggag 420

ggacatg 427

<210> 18456
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18456

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cattggatat tttctcaaat gtatcttcat ccaccgattg ataaatgaga aagagagctt 120

tcttgtctct ctttcttgac tccttcaacg tctcatttac accttggctt agcgaggctt 180

catcttgctc ctcgaagcca ttctctacga tatcccacac atcttgagct cctagtagcg 240

ccttcatctt gatactccaa ttatcatagt tgttctttga gagcatcgac atttggaaag 300

gaaaacctcc attcgccatc ttttgaggat cttgaagctc tgataccact ttgctggata 360

taaggctctt tatgtttacg acaaatgttt acgaatattg gagactntga atagacattt 420

gataggaacg agaattcttt atggagaaga gaacttt 457

<210> 18457
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18457

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gtgattgatga gagcctgaat actttgttgg tcagaaagaa gttaacatgc ctcagactat 120

attggatctc ctatagcagt ttagagactt tatccatgtg tgtgatgtac cccaacaaat 300

gcgagactaa gagctctgaa gattactact gagtagttag gagatatcag atacggccaa 360

taagctgatc cttttctgaa gactaaca 388

<210> 18458
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18458

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gagtgaaatc ttatttctct catcttccaa aacattaaag tacatctgag agaagcttca 180

ctatgactca ttatttatat atttattatt tatgacaatc ataggtttca agatccggtt 240

gattttctat cattgatcat ctaagaaact cttanaattt ttacatgtga tatcggaaca 300

tagattatca acattatgat tctctaataa tgatttattc tttctcaatt atgaatgaat 360

cctaattatc aaatgtaaaa atcttatttt cttctgcggc tatgtatgat atgttatta 419

<210> 18459
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18459

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atatatcgag atgcttgaaa ttgaaaacgg aagctcgtag catatgcaaa acacaataac 120

tttttactcg gatgtccgat tgtgtctcgt agtatatcga gacgctcgtt attaaaaaca 180

taacctcgta gcagattcaa acgaaaataa ctatttactc gaatgtttga ttgtgtccca 240

tagtatatcg agacgctcgt aattgaaaac agaagctctt agaagatttt aacgacaata 300

acttttact cgcatgtccg attgtgaccc gtaatatatc gagacgcttg aaattgacga 36

<211> 1447
<211> 432
<212> DNA
<213> Glycine max

<400> 18460

agcttaccaa tatatattca aatgaagttt atgtttcttt gtgttctata tgtgtgccct 60

aagcatttaa atttattgac ctggaggata tgatcacttc atcatgtgtt gattagcata 120

tcaatagttt gcatatggtc actgacaatg ctttattcca ataactaaaa tgaagaataa 180

cttcatatga cttgtcctgc cagtattgtt gatgttgaga tcaagcctgt ggaaggtgaa 240

ctttctaaat cactgttgga aaacaacaaa tgctatttac tggactgtgg tgctgaggtg 300

tttgtctggg ttggtcgtgt gacacaagtt gaagaacgaa aatcagcctg ccaagccgtt 360

gaggtaaggc cattgtagaa tctataatct aattcatttc catttgtttg ttaaattgga 420

ttcattaatt ct 432

<210> 18461
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18461

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cgtggtctta cccaacccgt ccatgcccac gatagaaagt actgacagct tgttatcagt 120

gttagaagtg agccagttaa tgataatttc tttatcaccc tctctgccac aaatatcact 180

ttcaaccact gaagatgttg attgtggcac tttactacca gatcctgatc caactacaag 240

atcactaggc tttttcaaac ctagattatc catccagctt gcaagtacag gtttgagatt 300

cagattgagg ttgaacttgg agtctggagt gttgtatttc atccaagaca tcttctacgt 360

caagcatggc aactntgagc ttaataagcc agtctctcac ttgcatattt ccaaactgtt 420

tttgttcagc at 432

<210> 18462
<211> [illegible]
<212> [illegible]
<213> [illegible]

<223> [illegible]
<400> 18462

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tggattanga gtgtcaaact aatgaattgg ataatttttt tgaattgaaa tggatagcca 120

atccatttat gatccattaa taatgtattg caaaaatcta atttatccat aacttatttc 180

atagaaaaag gtccatccat tatattttat ttttttcaaa acaatatttt tctaaaacaa 240

agtgtaatat ttgtacaaat tcttacattg aaatacaata gaatccaata tttatctcat 300

aaagacctat gtccaagtaa tgaacttgga actacttgat tcactggatt gcaaaatatg 360

ttggatggtt cattatctat ccaataacaa atggtaatcc aattcaacta atgtanttaa 420

gtttattt 428

<210> 18463
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18463

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acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcctgtgct ttttattcca 120

tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagatgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatc tactgtggat 300

gtacccggct gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc 360

agaagcatct attgttgaga ggtacattgc agaagaagcc attgcaattt gttcaataata 420

cttatagaat gctaaacctg tt 442

<210> 18464
<211> 392
<212> DNA
<213> Glycine max

[illegible]

[illegible]

gtttctttatt aattccatag ctccttctgg ggtcttcaat ttgatctttc tccctgcaga 120

agcatcaaga agctgcttgg actgcggtct caacccatca ataaaaatgt tgagttgtat 180

tagatttgaa aatctatgag taggtgtctt tctcaataag cctctaaatc tttccaatgc 240

ctcacttaaa gattcatctg gaaattcatg gaaggatgaa atggcagctt tcccttcagc 300

tgtcttagac tctgggaagt acttcttcaa gaatttctca actacttcat cccaagtctt 360

gaggctatct tattttaaacg aatgaaacca cc 392

<210> 18465
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18465

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tacgagacat cttgccaaac aaagtcaggt tagccataac tcgcctgtgc tttttcttcc 120

atgccatatg tagcaaagtt gttgatcctg tcaagtttga tgaacttgaa aatgaggccg 180

caattatact gagccagttg gagatgtatt ttccccctgc tttctttgac atcatgattc 240

acttgattgt gcatctggtc agagaaatca aatgttgcgg tcctgtttat ttgcggtgga 300

cgtacctggt tgagcaatac atgaagatct taaaagggta tacaaagaat ctatatcatc 360

tagaagcatc tattggtgag aggtacatta cagaagaang ccattgaatt tgtttggaat 420

atattg 426

<210> 18466
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18466

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cttaaagcca cattaactgc gcaatgtctt ggaactacaa acaccttaag ggcattgcta 120

gtctattcca tggtgatca aaaaaatatt ntaanttttt aggtgatta ctnnnn

gcnaacccat taagaatgtc ttacatggta ggctatggtc ctcacttttc caaggagagt

caccacagag gatcttcctt gccttcaata gaagctcatc cacaaaccat a 351

<210> 18467
<211> 393
<212> DNA
<213> Glycine max

<400> 18467

agcttgtggt tttctcgcgt gtcattagtc aactctgatt tttattgaat aaaacattat 60

tttgggcatt agatcaaagt atctgtcgtt cttaaatatt tttaaactaa acaaattata 120

caataagttt tttatttttgt acagaacaag aagtggctaa aaatattatt atttttttac 180

taaaagaagt tgttaaagta atagaaatca agttattatc attcagatgt taaaaaaaaa 240

tcttcaaatt aaactcttgg gaacatttgg ttgagttgag ctgaatttttt ttcttatttg 300

aaaattatga tttcagaaga atttgattat tgaaaattat gattcatgta taaatatatt 360

tgattagttc taacataatt attggaaatt aaa 393

<210> 18468
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18468

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cttgatggtg agtgagttca acgcacgata atctacatag aagcgccacg ttccgtcgtg 120

ttttcttgacc aagaggaccg gagaagagaa cgggctgtta ttangttgta tcagccgttt 180

ctgaagcatg gtctcgactt gctgctcaat ttcctgcttt tgaaaatgtg ggtatcgata 240

cggacggaca ttcaccggag tagcttgagg taaaaggtga atatgatggt ctgttgtgcg 300

ttccggtggt aaggtttgcg gttgtcggat aaggatatta tatctggtga gcaaagcttg 360

aatggatggg tccacgggtt cagatgaagt cgaatgttct ttcgagagga ctgtgatat 419

<211> [illegible]
<212> [illegible]
<213> Glycine max

<223> unsure at all n locations
<400> 18469

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gttggacctc ctagaagagt atggagtcag caccactttt aacatttctg atttaattcc 120

ttttgcaggt ggagctgata ttgaggagga ggaactaaca gatttgaggt caaatccttt 180

tcaaggggaa gggtatgatg caatcctccc tagaaaggga ccagtcacta gagccatgag 240

caagaggctc caagaggatt gggctagagt tgctgaagaa ggcccctangg ttctcatgaa 300

cctcagggta gatttttgag tccatgggcc aagtttgggt ccaattctct ttgtacatat 360

tagactanga tgtcattata tntgatcctt gtattt 396

<210> 18470
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18470

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tcttaagaag ggggggttga attaagatat tccaaactgt ttcccctaat taaaaatcta 120

tttctctttt tactcaagtt atgaattccc ttaaagacaa tcttcttaaa tattaattca 180

aaagaagcaa cttgaatgtg aatataaagc aataataaat aaaagagatt aagggaagag 240

aaaatgcaaa ctcagtttta tactggttcg gccacacgct tgtgcctacg tccagtcctc 300

aagcaaccag cttgagagtt ccactaactt gtaaatttct tttacaagtt ctaaacacac 360

aaggacaatc cttcctttgt gtttagagat cctttacaac aagagactca cagtcttta 420

atccctttag agaatga 437

<210> 18471
<211> 417
<212> DNA
<213> Glycine max

ggactcaatc agacatccga gtaaaaactt attctcgctt caatttgctc tgagagttca 180

gaattgaatt tcgagcgtct agatatatta cgggactcaa tcaaacgtct gagtaaaaag 240

ttattatcgt ttgaattagc tcggaacctc aaaattcaat tttgagcgtc tcgatatatt 300

acgggactca atcacacatc tgagtgaaaa agttattgtc gtttgaattt gctgaaagct 360

tcaactttca atttcaagcg tctcgatata ttacaggact cactcagaca tccgagt 417

<210> 18472
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18472

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catattctag acgtgaagag gcacaagctt gaagacaaga ctatacgagg tatcttcctt 120

gggtatagca atatctctaa gggctaccgt gtctacaact tgcaaactaa gaaactcatc 180

atcggtcgag atgttgaagt tgatgggtac gctntttgga attgggatga agaaaaagtg 240

gagaagaacg ttcttatacc tgctcgacta tctcaagaag aagctgagga agaagatcca 300

ggtgaaccac cttcacctct accataacaa caagatcaag aactagcatc accagagttt 360

actccaagac gagtaagatc tttggtggac atgtatgaaa cctgtaactn ggtcatactt 420

gaacctggaa gc 432

<210> 18473
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18473

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tcatttcctt ttgaatcttg ttcatcaata ttcatatgtt ctaaagaatc tgcaatatca 120

[illegible] 180

[illegible] 240

ttgagcacaa agcatttgca accaaaaaca tgtagatgag aaatattagg ttttctacca 360

ttatataact catatggngt tttctttana atgggtctta ttaaggccct attcatgatg 420

taacatgcag tattga 436

<210> 18474
<211> 382
<212> DNA
<213> Glycine max

<400> 18474

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cctcaccttа tgaccagaaa tggtacagca aaccactgag aaagttaagt taattcataa 120

aaggataaga actgctcata gtaggcagaa aagttatcat gataagagga ggaaagatct 180

ggaattcgag gttggtgatc atgtattctt gagagtcact acatggactg gggttggtcg 240

agcattgaga tcccgaaaac tcacacctca ctttaaatgt cctttacaag tcttaagagg 300

actgtgcctg tggcatacca aagttgacta ccccccatctc tttctaatat tcacaatgtc 360

gttgatgtgt ctgaacttcg ta 382

<210> 18475
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18475

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aacattgtat ccttggaaag cagaaaaagg tcagtttctc aagggtaggg aagactctga 120

aagctgaaaa gctagaattg gtgcacacag atgtttgggg gccagcccca gtgaaatctg 180

ttggaaactc acgctattat gtcaccttta tcgacgactc tacccagaaag gtatgggttt 240

attttcttaa aaataaatct gatgtgttct ctgtgtttaa aaggtggaaa acagaagttg 300

aaaatcaaac aattctaaag gttaaaaagtc tgaaaatctga caatggtggg gagtatgata 360

<211> 389
<212> DNA
<213> Glycine max

<400> 18476

taagcttatg ctactgcatt tgaataagta catttataag tttatttgct taaaatcaaa 60

tgaaatgtat gggattatct cgcttgaggt ttcctttatt gtaactcatc actttgtata 120

atgctagcaa tttcataaag gtcaaaatgc ttgtggttga ccataacttc ttattgcagg 180

gcactatgtt ccggatgtta ttgtggctgc attaattgga attgtaactg gttggtgcac 240

aggccctcta atgcccatat gtgggcattg gttagccagg tcatccatct tgcaatttct 300

gctacatctt agtgtgtttg ctttggcatt atcatctcag ttctttcctt acactatgtc 360

tgcgcctaag aggattgttt ttcagcata 389

<210> 18477
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18477

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gaggagaata attctaggat tttagaattt cagtttttat tactgttcat gcacactgtt 120

cacgtagaat aaaattcatt ttttgcaaat catctctaat ccatacattt tttaatatta 180

tgctcttttt attttctttt gatatacttt gtgctttaac gatttgaatt caatatgatt 240

ttgtttatca attatttttg gatttgtaca ttacttatac gaaatttttat aagtttcttt 300

ttttagttag tatttcacta ggttttaaaa taattaatta atcaaagacg tcttttaaata 360

gacttttaaa taggctcgt 379

<210> 18478
<211> 386
<212> DNA
<213> Glycine max

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cngatctcat ctaactcact caagtgctac tatctctcct caacagcttg atccatcgag 180

aagatgcagg tcttcactgc ccagtatgct ttgagctcaa tctacactgg aagatgacat 240

gcctttccat agacaacgcg ataaggagac attcctatgg gcgctttgta tgcaatccta 300

tatgcccaaa gagcatcagc catcctagtg cgtcaatctt tactgcttgg ctgcacaatc 360

atctctaggc ttctcttgat ctccct 386

<210> 18479
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18479

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cctcgactgc cataacaatg tgctcaaatt taggatctaa cgagcatagt atcttcccca 120

tgattcttac atgctctaaa ttctcaccat gtctttatac ttgaggtgaa acaacgataa 180

ttcttgaaag gaactgggaa atggacgtca actctttcat atgtaatgat atagactctg 240

ctatgagcac atgcacagaa acgctcttta gttgacattg gttatcccag cctaccattt 300

tacggtggcg cgaacaggcc aatatgatga cgtcgaagcg ttagtctcca agggagaaaa 360

ctagcagagt caccaccaac gtgtatttga cgaaaac 397

<210> 18480
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18480

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ctaccagtga cacgatggat aatcgcataa aagggcttcc cagaggtctt gcaatggata 120

aagacagggt taagaagcaa aacctctgca aatcctatag ccttctgcaa tgcagaagca 180

[illegible] 240

[illegible] 300

[illegible] 360

cctttctgca tgtg 374

<210> 18481
<211> 358
<212> DNA
<213> Glycine max

<400> 18481

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ataaattcac cactgatttc tttggaatac agcttttcct gaacaaaatg gcaatcaatc 120

tctacatgct tagttctcat gacatacaag attagacgcg atgtgaagag ctgcctgact 180

atcagaatac aacttcatct gtggaacatc aaaaaattgt aattcttgaa gttgtttaat 240

ccacacgaat acacaagtaa caagagccat agctctatat tctgcttatg cacttgatcc 300

agcaacaaca ctctgttgct tgcttttcca atagacaata ttcccaaaga ggatacac 358

<210> 18482
<211> 441
<212> DNA
<213> Glycine max

<400> 18482

acctctcaca aaggagaaga caaagtaaat aatgtgtgtc tccaaactct taagaggtga 60

gtttgaatcc ttacatatga aagagtcgga gtccatttct gattattttt caagaattcc 120

cgtagtttca aatcaactag aaagaaatgg tgagaagtta aaagatgtaa gaattatgga 180

gaagatacta tgctcgttag atcccaaatt tgtgcacatt gttgtgacaa tcaaggaaac 240

taaagatttg gaaactatga tgatagaaaa acttcaagga tcactgcaag cttatgagga 300

gaagcataag aaaaagcaaa agatcactga caaaatcttc aagatgcaac taaaggagaa 360

cgaagatagt cgaggaaatg agagaagtca acgaggtgga ggtcgcggct gaagataggt 420

acgacgtgga aacagtggac g 441

<210> 18483
<211> [illegible]
<212> [illegible]
<213> [illegible]

<400> 18483

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taataatatg gccgcgatct gtcattacgt gcgactatct ccactataga aagaaaaagg 120

agaagaacaa graaatccac acatactatt gtgataaata ctagaaatta tggctttcta 180

catatacata tatacgtcat tacaacgata cttatcaact gtagcaaaga atgaaacttc 240

ttagaagtca taatatgaag aaatcaatat gtctagatac ccccttttct atggacaaaa 300

gagctaattg ataaaggaag catcgtactg atccattaac gcgcgtttga accgatacga 360

taagaactgc ttacttatct catga 385

<210> 18484
<211> 391
<212> DNA
<213> Glycine max

<400> 18484

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acagcagaat aattatgacc tctccagcaa cagatacaat cccggatgga agaatcacct 120

taatctcaga tggtctagcc ctcaacaaca acaacagcag cctgctcctt ccttccaaaa 180

tgttgctggc ccaagcagac catacattcc tccaccaatc caacaacatc aacagcccca 240

gaaactagcaa aaagttgagg ctcctctgca acttccctc aaagaacttg tgaggcaaat 300

gactatgcaa aacatgcagt ttcaacaaga gatcagagcc tccattcaga gcttaactaa 360

ccagaatggg aaaatggcta cacaattaaa t 391

<210> 18485
<211> 340
<212> DNA
<213> Glycine max

<400> 18485

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gcacgacgtg ggactaaggc ataccataac accccagtcc ctatcactag ctgacgactg 120

[illegible]

acaggcacat gcaggaggcc caacaacaga tctaggataa 348

<210> 18486
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18486

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cttaagaagg ggggattgaa ttaagatatc acaaactatt ccccaattaa aaattctact 120

tttaacttaa cccaacaatc caagattcct tttaaacaag aactcctaga taataatgca 180

aattaatctt actaaataaa aaataataag caataaacag taaaggagtt taagggaaga 240

gaaaatgcaa actcagattt atactggttc ggccacaccc ttgtgcctac gtccagtccc 300

caagcaaccc gcttgagagt tccactatct tgcaaaatcc atttacaaga tctgaaccac 360

acaaggacaa cctttctttt gtttcagatt tctttcaaca agaggccctc ggtctcttaa 420

tccct 425

<210> 18487
<211> 338
<212> DNA
<213> Glycine max

<400> 18487

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agctctgata ccacttgttg gacaagtggc ctcagaaatc ttaagaaaga gggggttaaa 120

ttaagatttt acaaactatt cctgaattaa aatttctata tagattttga cccaagtcct 180

aagattcctt ttaaaatgaa tttctaaata ataattcaaa ttaaacttac tgaatagaaa 240

taataagcaa caataaataa aagagtttga gggaagagag aatgcaaaca cagttttata 300

ctggtttggc aaagtccatt gcttacgtcc agtcccca 338

<223> unsure at all n locations
<400> 18488

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ttagccaaac caatcatctt caaggacttc atttcctata tttggcaatg agaattggaa 120

aaagtgagag agtattttag tgaagacaaa agcttggaga ttgaaataag attgaatttg 180

aagtttggaa cataaagaac atcatgtata atgaaatgtg gcgataactg cacatttcct 240

gaaatatgag caaaaacaat ggaaccattg ggtaagtgga tacgcacagg ttgtatttta 300

gaaaagctta caaaattatc aaaggaacat gtaatgtggt ctgtggcccc agagtcaata 360

atccaggggg tgcaattaga aaaacaatgt gcagtgtgtg cattagacaa 410

<210> 18489
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18489

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gaaggtctct tatgtattta ctttgagtta gaagaataga gccatcaatt agagtcttga 120

cttcaaatcc caaaaaatag tccagcttcc caagttgttt aagtgaaaaa ttagaatgaa 180

gtttgataat aaattgttgg actaagttga tagaactacc agtgattata atatcatcaa 240

catacaccaa aagataaatg atatgagagg tatctttgaa aacaaagaga gatgggtcac 300

acttgcttgc agaanaacca agatgcaaga gagtagattn tagcctgtca aaccact 357

<210> 18490
<211> 388
<212> DNA

<213> Glycine max

<400> 18490

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ctaagaagaat gtgtcatttg cctgaggtga aaaacaagag caagccttgt ctttgctcaa 120

tgctgatttt agtcaaaaac ttcataatgc cacttcaac tacccacct atgatgaaaa 360

gctttatgcc ttaataagag ccctccaaac ttgtgaacat taccttgttt ccaaggaatt 360

tgtcattcat agtgatcatc agtcactt 388

<210> 18491
<211> 306
<212> DNA
<213> Glycine max

<400> 18491

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tgcggctacg agagctcgat tgcgccctat agagagccgt acgtcaacac actgatcgct 120

gtttcactgc ttaaagactg atacaatcat aacttcacac aacatactag ccttacacat 180

catgcgtatt tcctcagctg cctaattagc gaacatgctc acactaatcg cccttcgcta 240

actgtgcgca ttctaaatgg caaacctctc ctgacacctg atttaatgat tacgcctacg 300

cgaacc 306

<213> 18492
<211> 236
<212> DNA
<213> Glycine max

<400> 18492

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ggaaagagtg atacgatcat gacgccacac aacatactag ccttgcacct catgcgtctt 120

tcctgaggtg cctaatgagc gaacatgctc acatcgatcg cccttcgctc actgtgcgct 180

ttctaaatgg caaacgctgc ctgacgcctg ctttaatgat tacgcctacg cgaagc 236

<210> 18493
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

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tacaaaggag tttgctccta ctagaggctt gaggcaaggg gatcctttag cccccttact 240

tttcaatata gttggagaag gcatcacagg attgatgagg gaagcagttc agaaaaactt 300

atacaaaagt tacatggttg ggaagacaaa ggaacccatt aatattttac aatatgcaga 360

tgacacagtc tttgtgggtg aagctgtttg ggagaatgtc ttagtttgat agctatgctc 420

<210> 18494
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18494

ntaaaagaat ggctaagatt ttgttaaaac ataagctctt atacaatgaa ggaaagctgg 60

agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg cacaatgcac 120

aacgcatgat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtcggataca 180

atgtccagga catcctgccc gaaaatactg gagttgctga aagcattgaa gctgcatgat 240

ccacgatgtc ggacacgatg tcctgacatc cggcccgaaa atactggaca tataaatctg 300

ttatatcttt aacagattat tgtgcagtta gcaagagatg agatgatcta tctttaggaa 360

cgaattanaa gataattaaa gctcgtatta caaactacaa gagtcgttca gggatgaaag 420

at 422

<210> 18495
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18495

tccttgagaa tcttctttga gaagcttcct tgagaaacta gagcttagct acacatacac 60

ctctaatagc taaggtcacc tccttgagat gagaagctag agcttagcta cacacacccc 120

[illegible] 360

aaccttggcc catgggctca gaaactaccc tgaggttcat gagaatctta gggccttctt 360

cagcagctct aacctacntc ctttggagcc 390

<210> 18496
<211> 424
<212> DNA
<213> Glycine max

<400> 18496

tggctaaggc tagactgcaa tattcagcct ctgtactgga ccttgcaaca acagactgtt 60

tctttgacca ccaagaaact aaatttgagc caaaaatgat ggctgcacca gaagttgacc 120

ttctgttgtc atcatcacag taagcattaa ctgtaaaggg aggtccagta gaaggaggga 180

gaatcttcca accaaagttg atggtaccag ctagatacct gagaattcgt tttactgctg 240

cccaatgctg ctcagttgga tctgacatgt actggcagac tttgttaaca gtgaaactga 300

tttcaggtcg agtgatggtt gcatactgca aggctcccac aataaacctg tctagagtgg 360

ggtcaggcaa aggctcatac cctgacttag ttaacttgaa gcctcaacca ttggagaaga 420

aata 424

<210> 18497
<211> 422
<212> DNA
<213> Glycine max

<400> 18497

tcatccaact taagcatgga aagaaggcat tatattctca tacacataag atttctaaaa 60

actttttcacc cttatcgacc attgtaaaaa gcttttaatg gaagtcatga aaatgaaggc 120

ggctagaaag cattaactgg aaaccaagtt catgatcgcg taaaggaaat tgtaaccgtg 180

tttggcaagt cccagaagaa gacatcatct cccaacaaca tgtggaagaa atgctcaata 240

ttttgatct tccatactgg tctgatctat atgtgcactg tctagatgtt atgcatgtgg 300

agaaaaatgt gtgtgatagt ttaattggta ctcttcttaa cattaaaggg aagacaaagg 360

[illegible]

<210> 18498
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18498

tgaatcatgt gaaaataaat caatcattct gtatatgtat cacaaattat atatattgat 60

aagaattaca aattaaaatc agcaaactct taattttcgtt taattaatat gtgaaaacat 120

ttatgagcta agcttaacgt gaattaatct ttttttaatc catataaatt gaacacaata 180

ccataaattt ataacattca tatattctac tcaatcaact gaactaaaac cactgataac 240

taattttaat aaaatgatca tttatttttа ccaatttcac agaaaaactt ttgactaaga 300

aaatttaact taattggttg agcatgtgtg aattgctata nactactagt tatgaacata 360

aatatgttta taataactta tgcatgtgtg tccaatgtat ctctgtataa ac 412

<210> 18499
<211> 415
<212> DNA
<213> Glycine max

<400> 18499

tgcatgggtg cgctccgtct ggcccgtgct tatacctgat gagagaagat catcaagttt 60

gagggctgtt accatggcca tgctgatcct tttcttgtta aggcaggtag tggagttgcc 120

acctaggac ttcctgattc tcccggtgtc cccaaagctg ccacttttga aacccttaca 180

gcccctaca atgacaccga ggccattgag aaactcttcg aggccaacaa aggagaaatt 240

gccgcagttt tcctcgaacc tgttgttgga aacgctggtt tcattgttcc taagcctgat 300

attgatagtt tcttgcgcaa gatcaccaag gaaaacaata ccctttttgt gtttgatgaa 360

gtcatgactg gatttcgctc gtcatatgga ggtgctcaag atattttggc ataac 415

<210> 18500
<211> 415
<212> DNA
<213> Glycine max

tgcacctgtc gccagactct gtggttttatg ctcctctgcc gaccaccaca caaacttttg

cccttctgtg ctacaatctg aagcaattga atatcttgaa gcttatgctg caaacatcta 180

caatagacct cctcaacctc aacatcaaaa tcagccacaa cagaacaatt atgacctctc 240

cagcaacagg tacaatcccg ggtggaggaa tcatcccaac cttagatggt tgaatccttc 300

acaacaacag caacaacaac aataaccttа ttttcagaat gctgctggcc caagcagacc 360

atacgttcct ccaccaatct agcaacaaca acaacaacac agccccaaat atagc 415

<210> 18501
<211> 199
<212> DNA
<213> Glycine max

<400> 18501

agcgtctttc gtatcttgac actagctatc catctgacat tcttctgaga tcctaccttc 60

gtgaattttc caaccgtgaa tgactctaac accacctctg ccattcattg acttcatgcc 120

tgtcaccatc cgatgtccac atctttgatg ccttattccg acctcatctt ctgtgcagaa 180

tacacgtgct gctgaatta 199

<210> 18502
<211> 381
<212> DNA
<213> Glycine max

<400> 18502

ttgatgcaac atatggagag ttaatgaaac aacgatattt gcgctccatg agaggctgga 60

tcaaatggag aatagagatc ataatgaaga agaaaggagg agaagaggga atgatggtgt 120

tcctagacaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaauaa 180

tgatccggag gcctacttgg agtgggagat gaaaatagag catgttttct catgccacaa 240

ctatgaggag gaccagaatg tgaagcttgc cgccacggag ttttccgact atgctcttgt 300

gtggtggaac aagctacaac aggagagagc aagaaatgaa gagccaatgg ttgatacatg 360

gacggagatg aaaagatcat c 381

<210> 18503
<211> 420
<212> DNA
<213> Glycine max

<400> 18503

taacaatcag tgtcatacta ttgatcaaaa caaagcttgt ataaatatgc aatactagac 60

tcaaaatatg caacaaacac tatacctaaa tcagtgtcac agaaatcgga agaaaatatt 120

ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180

tatgggtaga ggtgtcatag aggagcaagt atggaggaag ggaccttgga ctgctgaaga 240

ggacaggttg cttgctgagt atgtcaggtt gcatggtgaa ggtagatgga actctgttgc 300

tacgcttgca agtaagaaac accaaacttt attcactgtt ttgtttctta atatatatga 360

ttggattttc acatttataa ctgacaatat agcataaaaa cactgatatt gttttcaact 420

<210> 18504
<211> 411
<212> DNA
<213> Glycine max

<400> 18504

cgcttctaca gaaatgtagt tgtcgtaaca ttatttcctt ataacagtaa aagtactgtc 60

gactgaaaca ataaagatct agccatattc agcaaatgct gatgctttct atccaccaca 120

aaatactgca gtggtctata gggacaactg aattgatgca gggtaccctg ctgttggaga 180

aatgtacgca atgccaattc aagagcatta acatatctga gctttttaat ttgaaatcca 240

aattgagtct ttattaatgc aaaaaaatcc ttaaccttat gagttgcttc actcttagta 300

tggagcaggt aaatccatgt taacctacta tagtcatcca caatggtgag aacatagtgc 360

attccttgac gtgtgactgt atgataagga cccatactc cacatgaatg a 411

<210> 18505

<211> 325
<212> DNA
<213> Glycine max

<400> 18505

ttgatcgtc tcgatatata atgcgcctga gtcgcacatc cgagttaaaa gttatgaacc 60

[illegible] 120

[illegible] 180

aaccatgtgaa tttctcgaga gcttccgttg ttcaatttcg gcgtctcgat atattatgtg 300

ctgatcggac atccagtgaa agtat 325

<210> 18506
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18506

actcggaggc ctatttggtt cntatatatc gaaacgcttg agattgagca acggaagctc 60

tcgtgaaatc caaatggtca taactttcaa ctcggaggtc cgattcaggc gcttaatata 120

tcgagatgct cgaaattgaa caacggaagc tctcgagata ttcaaatgat cataactntt 180

ctcacgtagg ttagacttac gcgcataata tatcgagacg ctcgatattg aacaacggaa 240

gctctcgaaa attcacatgg tcataacctt tcactcggag gtccgattca tgcgcataat 300

atatcaa 307

<210> 18507
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18507

actcgaagat tacacgggta tcttctagcc aatatatttc tttgtgatta tatatgngga 60

aatgagagat agatntagta gttggttgat gaacgaggta atattatgaa ttgagttatt 120

ttccaccatt tgtaattata tgggtaaatt ataaacttaa tgatgattta ttttagtaat 180

tagaaacaca attaattagc aaaacgtgtg agaaagtcac gtgtgaactt tcctttttt 240

aatttattct cctatttata tactatagat atagatataa atgttataag tatacaataa 300

gattatctga ctgtacagta aaaaacagat tatttcgatt cttttgttcg gttttaattt 360

agttgaatct agattttttt gaatcataat agtgtttatg tttgaaatg gtttcaacac 420

<210> 18508
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18508

atggcgaatg tgcaccgact acactaatct gaacagggca taccccacaa gacgtgtaac 60

cctctcccca acatcaatan ggtggtcgat gaagcgtccg aattcaagtg ctaaccttct 120

tggatgccta cttcggatac aactagatta gaatgcatcc tctagatgag gagaanatga 180

aattcataac taanaatgtc aacttttgtt acaaggtcat accattcggc ctaaaaaatg 240

caagcgcgac attccaatga ccaatggacc gagtcttcaa caacagatcg gacgaaatgt 300

caggtatata tggatgaca 319

<210> 18509
<211> 436
<212> DNA
<213> Glycine max

<400> 18509

ttcttgtgtt ttgtaatgga ctcttctatt gcttgagtct cacaggttgg ctaggggtgt 60

ttaactcatc tgaacgcact tggagtgttc tttcagtacc tccacccaag tgcccagaga 120

attttttttgc caaaaattgg tggaagggaa aattcatgac agagcatgag ggagatataa 180

tagtaattta tacatgttct agtgaaaatc ccattatttt taagctagat cagatgttaa 240

tggaatggga agagatgaca acactggatg gagtaactct ttttgctagt ttcttgtctt 300

ctcatgcaag gattgatctc cccggaataa tgagaaatag tgtctacttc tctaaagttc 360

gtcttatagg aaagcgctgc atatcattct ctcttgatga ctgtagatac tatcctcgta 420

agcagtggca tgactg 436

<210> 18510
<211> 356
<212> DNA
<213> Glycine max

tnctcctcca cactcanggc atgagatggc taaagtgata tantggtttt tggaagaatg 120

ggggattgaa canaaatttt tttcattaac tctatataat gcttcttcca atgatataat 180

gcacgactat ntgaaggaaa gactatcttt gcatactaat ggtttagtaa gtggtggtga 240

attttctcat atccgatgtt gtgctcacat tttaatcctt attgtcaaga agggttgaaa 300

gtagtcggtc ctgctataaa caacattaga gaaatcatta agtatgttag tggatc 356

<210> 18511
<211> 372
<212> DNA
<213> Glycine max

<400> 18511

agcttgtctt ccaataccct gatgaggatg tcccatatgt tcttaaaact ggactgattc 60

atttgcttcc aaagtttcat ggccttgcac gtgaagaccc gcacaaacat ttgaaagaat 120

ttcacattgt ctgctccacc atgaaacccc cagatgtcca agaggatcac atatttctga 180

aggctttttcc tcattcatta gatggagtgg caaaggactg gctgtattac cttgctccaa 240

ggtccatcac gagctgggat gaccttaaga gagtattctt agaaaaaatt ttccctgctt 300

ccaggaccac agccatcagg aaggatatct caggtattag acaactcagt ggagagagcc 360

tgtatgagta ct 372

<210> 18512
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18512

ggatccacgg agaacaactc gcgatgtaga ggctgcanag ttgtgttaaa aaaactgtaa 60

gtntcgctat ttaaaataca agaaatgagg tagaaaaaga ccagggaaaa gagtgctatt 120

aaatttatcat acctttcacat taagaanata taanacacca atgttttaaa gattaaatat 180

ttatttcccc tttgaatggg atgtgttaga aagatatgaa taatatattc tgatgttata 240

<210> 18513
<211> 377
<212> DNA
<213> Glycine max

<400> 18513

aaaatggagg gctgtgtatt aatatcttac tcattcacat tcgtaaatat attcattatg 60

aatttaataa taatgcacta gtgtaaaatt atatatctac atgtaattac aaatagcatg 120

acaacataac ttataagcta cttattataa aaattaataa gcttattata tgataatttg 180

tgattaaagc taatactgca tagtcttttt ttttcttctc tagttatata atccttaaca 240

catcctatat tatttcgcta gtaatgtaac agttatttat ttatttcctg ctaatccatt 300

ttgcatttta taatgtaaca cgttgcttcc tttccgcttg tcctgtattt tcttcattat 360

caaaaagaaa agtatat 377

<210> 18514
<211> 236
<212> DNA
<213> Glycine max

<400> 18514

agcaatacca ttaacacgaa actgttgtga ttcaagcata gaccgagtga gtgcgccaat 60

ggcagcgcgt ggctagatat ctgctgccaa ctactatcat cttgatgggg ccacgaaaca 120

gatccaaaat cactccttgc gatgccacaa gttcgctatc atgaggcggg agcgattcag 180

tgggcgttac cttgcgaccc gctccaatac gtgctcctaa gacgaaccat ggctct 236

<210> 18515
<211> 456

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18515

[illegible]

[illegible]

[illegible]

tgattggttt gaatgaaatg tagaaagagg aagttaaaaa tgtagtagct tggtagaagt 300

aatgaaatgt gagagaagaa ggaagggatg agtgtggcgg agaggtanga tntgtactat 360

ttatagatgt gtggaagctg ctatgactat cagggttacg cgtaggacaa tggttagtgt 420

gtctggaaga gttggaacaa acattaaaat attaac 456

<210> 18516
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18516

acgtactgat aaagtatcac ttaccttcgt taagtttttc atatagtact ttgtacgtat 60

ttgaatgtag attgaatcac ctaaaatcat acattgaaac aacaattaat atgaatttaa 120

ataaatgtta gcatatttct cccaggttaa gaaattgatt ctgagtctaa ttatgtttga 180

attacctttg attataaata atttattgta ctcaaaaagt aatttttact taaaagtaat 240

tttaggtaac ttttgtatat gaaaaatttt ataccaaatt tgactataac ttgcttttaa 300

gataaaaata tctaanacct aagttacttc acttcaaaat cattntttat aaaattaatt 360

ttatttgaat tcaattttcgt agattgatca cgtgtaantt atagtacctc aaacatatat 420

agtgggatac tctangcagc aaacacaa 448

<210> 18517
<211> 355
<212> DNA
<213> Glycine max

<400> 18517

tgctttcact gtcataagtt agccatatgt aaagatgcaa agccagttac ccagaggaag 60

agaaagatgg ggaaagagag gtattatgta gtacaacaag aagtggtcaa gttaatggcc 120

gcccaattca tcagagaaat taactactcc acttggcttt ccaacatggt catggttaag 180

[illegible] 240

aatgttgagt [illegible] tatcaatcaga gtcaactatc aaaat 285

<210> 18518
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18518

aatctcagaa ctgcaaagac atgaccttat gatattttta gtaagaatgt catacaaata 60

tgagttacat tatgaagcat gtcaaaaggg gaaacaaatt aaaaactatt tttcaagcaa 120

aaactttgtt tccatctcaa gaccacttga actattacat attgatttgt ttgcttcaac 180

tagaacaacc tttatcacta gaaggacata aggtctagta gttgtggaca actactcaag 240

atggacatag gttatggtcc ttgctcaaga gaatgagtcc tttgaagtct tctttaaatt 300

ctgtaaaaag gattctaaat gaaaaaggag tatgcattac ttcaatcaga agtgatcata 360

gtggagagtt tgaaatgaga gctttcgcta ttatgtaaga gaatgaaanc ttcataactt 420

ctctattgct gaacacctca acaaaa 446

<210> 18519
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18519

agcttctctc tttttcttgt n taatnattat atnttgagtg taagccttgt attttgctat 60

gtttntatga catttgaaca cttagtattt cttttaaata tttgttttagt atgactaaac 120

atgatgatta cttgctcttg gttgtttatg gttatgaatt ttaaacttaa ttactttgat 180

gatatatgat tagtggtatg tactattatt tggttattat gaatgactnt ctggattata 240

tgacattcta tgaagtatta tctctctaag attgatgaat ggttaagtta tcttgtctga 300

ttgttctcta ttctcttgta tgaatagtaa tctatgtatg tattat 346

<210> 18520
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18520

agcttgtatt tataaagtct catgattgtc acgtgctcat gcaacaattg ttggtcgtgg 60

ctatatgaga catcttgcca aacaaagtca ggttagcgat aactcgccta tgctntntct 120

tccatgctat atgtagaaag tcattgatcc tgtcaagttt gatgagttgg aaaatgaggc 180

cgcaattata ctgtgccaga tggagatgta ttttcccccc gctttctttg acatcatgat 240

tcacttgatt gtgcatctgg tcaaagaagt caaatgttgt ggtcctgttt atctacggtg 300

gatgtacccg attgagcgat acatgaagat cttaanaggg tatacaaaga atctatatcg 360

tccagaagca tctat 375

<210> 18521
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18521

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gtcccttta acctgtggaa cataagagaa acaaacacaa ccaaagattt ttagaatttg 120

taaatctggt ttgtaaccaa accagccttc aaatggagtt tttttgtgca aaactcttgt 180

aggtagtcta ttcagcaaaa atactacagt gtttgcagcc tccgcccata gctcctttgg 240

caactcctt tcatgcagca tacaccttgt catctccatg atacttctat cttttctctc 300

actcacancc atttgttgtg ggatgtaagg tacggtgagt tggtgctcaa tgccagcttc 360

ttcacaanaa ttatcaaana catcatttntt gtattcctc ccattgtcag acctttattg 420

ttgcaacctg caatcac 437

<210> 18522
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18522

[illegible]

[illegible]

gaaactcacc [illegible] gccatgaaga agagcttgga ggaagaagga gatgaatgaa 180

gggagaggaa gagaatagca cganatttta tgctctaaaa gagctctgaa atctgaagtt 240

taattttcaa attatcaaag ttgaaaaaat gcacacacat gacctctatt tatagcctaa 300

gtgtcacaca aaattgga 318

<210> 18523
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18523

ggggaggaca gatatagagt gaaattggag gaaatgcgtt gattatattt caagtggctt 60

cagaaagccc tgtattctca ngctttcata actctcatat tctggagctc ccctatattt 120

gtctcggcgg tcacttttgc tacttccata ttgtagggtg gtcagctgac tgctggtggt 180

gtactttctg ctctggctac tctcatgatc ctgcaagaac ctttgaggga atttccggac 240

ttggtgtcaa caatggctca gacaaaggtt tctcttgacc gattatctgg tttcctgctg 300

gacgaggaat tgcaggatga tgcaactatc gtcttgccac aaggcattac taacattgct 360

atagaaatta aggatggtat ctttctgtgg gac 393

<210> 18524
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18524

agcttcgcta acttttttgat cacgcaagaa tgagacgtgg ttttaatatg tttactcctc 60

ccatgtgcca tgagatgcta gactaaatta attgctgatt tgttatcaat caacaacctc 120

ataggactac aatcgcttaa gtgcagttct tccattaaag ctttcagtca tagagcttga 180

cacgctgcca tagcagcaac aatatattat gctttacatg ttgacaaaac aactacactc 240

[illegible] 300

[illegible]

<210> 18525
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18525

tcttcttacc tgctgcatgt atgccntata ctcgtgagtt gttactngnn nnaaagctat 60

agcaggtgca gcaatgtgga tattgtgtgg cccnccttgc attgatggaa aaacagcaaa 120

attgatcttt tcttcaatgt catattgatc actatcatgt ccctgactta gaagtatccc 180

tctcttcctt ggctatgtac ccttacgata aaaaattatg cctcaccttg gacctcgaag 240

actctagtga gttgtcgaag taacaatgtc acaataatca ataggattca cacactcctg 300

cggagacaac accaccatac tattaaagaa ataatgagca t 341

<210> 18526
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18526

agctncataa attctctttg ataccagagg atggcatgag cttcaaacag cttgcacccc 60

atcctctgta gagacccttc agacctttct ctctaataac ttctgaaagt gccgctgcca 120

tgtttggcgg gcacttacct tgcaaagcac ccaccatcag gcgcttcctt gctacctgca 180

aggggaagct aattgtactg gcagtaaaac ctgcgcgagc ataaagaagt cagatagcac 240

aaatcattta tattaccaag tataaaatgt gattaataag tgacacgttg ctgtgaaaac 300

catgtccgcc catcaaatag tgaatggcta ttctttcanc aaata[illegible]tca tgctatcatt 360

tgcttcatgc aacatgggtg tgtgact 387

<210> 18527
<211> 353
<212> DNA
<213> Glycine max

[illegible]

[illegible]

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tatgataaga gtgttttcaga acaacaaagg tcttatcctc ttagaaagaa aaataaattt 180

atcctcttac atattcctta gccaaaactc ttgtgattaa ataaggaatt atttgagtgc 240

tccaattgtt caatctatct ctntatagag agaattcttc ttctcttctt cttcattctg 300

aaaagggatt aagagactga nggtctcttg ttgtgaaaga attctaaaca caa 353

<210> 18528
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18528

agctattaat ttgtatgtcc gattcaagcg cataatatat cgagacgctc gaaattaacc 60

aacggaagct ctcgagaaat tcaaatggtc ataacttnta actcggatgt ccgattcagg 120

cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaatgt 180

tcataacttt tcacacggat gtctgattca cgcgcataat atatcgagac cctcaaaatt 240

taacaacgga agctctcgag aaataccaat ggtcataact tttcactgag atgtccgatt 300

cacgcgcata atacatagag acgctccaaa tcgaacaacg gaagctctcc aaaaat 356

<210> 18529
<211> 338
<212> DNA
<213> Glycine max

<400> 18529

atgttttggt tgaacatctt gacttgctat ccaatctgac attcaccaca gattctttcc 60

ttcttctatt ttcagaatgg gaatgcctct aacagctcct ttgtcaatga atttcttcat 120

gcctcttaag tgcagatgtc caaatctttg atgccatatt ttcgacttca tcttctttgg 180

agaatataca tgtggaggag taactggctt cttgaggtgt ccaaggtaac agatgtactt 240

[illegible]

<210> 18530
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18530

ttctttaatt cattatggat gcataagcaa agagcattct aatggcttct aatcttgcaa 60

ctggagcata tattcttcat aatctatacc ttcttcttga ttgtatcctt ttgcaactaa 120

tctagcctaa tttctaatga ttatgccatg ttcatctcac ttattcctaa atacccattt 180

tgttcctatg atggggtagt ttttaggttt ctctactagt tcccacacat tgtttctttt 240

aaactgattt agttcttctt gcatagcaat tatccaatga tcctctatta tggcttcatt 300

tatatttttа ggttcaatca gagacaccaa agccatatta ttgcatanat ctttaagaga 360

atgtctagtt gttacccttt ttgagatatc accaataatg t 401

<210> 18531
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18531

gaacaacctg cagtncacat gcgtcggtgg agatacagca gccctggacc accaccagta 60

atgatcgtgt atcttggatc ccaagtaagt agtttcttct tttgatgttc tttttcaaac 120

aaaagcttgt ctaggctccc gtttggtaca tagttgtaaa caatgaggag ttcatccttc 180

ttccngcacc acccatgtaa ctgcaccaaa attctatgct ntagttgtgc catgcctgtt 240

atttctgaaa caaattctct gattcgctgc cttgaatcag gagcaactc 289

<210> 18532

<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18532

[illegible]

[illegible] 240

tgatccttga gaaaattgga cgtctcaagg tgtctccgtt tgaaaaaccg cgtatagccc

ctattacaca acaagtgcat cattgatcac tacctaatgt acaccaacaa aaatggatac 300

cagagctaat aaatcatgat gatatccaat catatcacca aat 343

<210> 18533
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18533

gagttcctag cttagcccat aatgttttcc agaagtggta attgtcttag tatctttatc 60

tgacacagtg gtcctatgca aaccatggag tctcacaact tccttgaaga aaagtttgag 120

atgtgagaag catcatctac catgtggcat ggtatgaagt gtgccatctt gctaaactta 180

tccaccacaa caaagataga gtctacancc ttttgggttc taggaagccc aaggacaaag 240

tccatactaa tgtctaccca aggtgtagat gggatgggta agggtgtgca tagcctatga 300

ggcatcaccc tagacttggc ttgtaaacaa gccacacatc tagtgcaatg cttatgggca 360

tctttcttta tatgggacca atagaacttt tctttgagta agacaagggt cttgtctatc 420

ccanagtggc ccatgagcca ccctcat 447

<210> 18534
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18534

tcagctntgt ccncaatact tcatgtagac ttgtccaata tcttatatta taccncggat 60

tcccttttgga tacaatactg gaaggaattc catgcaactn tactacttcc ttaatataca 120

actccactag cttctccatc ctatactnta tattcactgg aataaaatga gcagatntgg 180

taagtcgatc tactatgacc catacagcat catgtcccca actagtctta agtaaactag 240

[illegible]

attcngctag atcttcttc atgcnatgcc acaaaaaact tctnttcata ttttnttacn 42

tcttagtcat tcctggatgg aaact 445

<210> 18535
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18535

agcttctttt ttcattttca agcatctcga tatattacgg gactcaatcg accatccgag 60

tcaaaactaa ttgtcgtttg aatttactca aagcttctgt attcaatttc tggcatctca 120

atatattaag ggactctatc gaacatctga ggaanaagtt attgtcattt gaatntgctt 180

ggagcttctg ttttcaattt cgagcgtctt gatatatgat gggactcaat cggacatccg 240

agttcaaagt tattgtcgat tgtatctgct cagagtttca gtgttcaatt tcatgtatct 300

cgatatacta taagacttaa tcggatttcc gagtaaaatg ttattgtcgc ttgatttgct 360

caaagcttat gtattcatat caagcgtctt gaattattat atgcctgatt agacatctga 420

gtc 423

<210> 18536
<211> 317
<212> DNA
<213> Glycine max

<400> 18536

agccatgatt gattgatatt tttaacaata atattttcgg agtaaaacta ttattattaa 60

tatgatctat aatattataa ttatttaaaa gaaattatca aatttatttta gtggctttaa 120

tgattagaat catttaattt gtttgagata agttaattcc tataaacata tatatgggtt 180

atatgaataa atgtcttctt tttctcttga aggggcttac aacgctttga taacatgtca 240

ttgtgatgtt tgtcgaccag ttttggccac atcttgtggt ttaaaattat cttatatttg 300

aatctttgac attgtaa 317

<223> unsure at all n locations
<400> 18537

agcttcctat agntccgttc cttcctctct cgatatgaga ccgagtctgg cactccacat 60

tagtacattc accaattata aaagcatcaa ctctgtcata cggaatgagg gcaacctcat 120

catggtgctc agcattacca aacttggtcc aagtcaggtc agcaacacaa aactcctcct 180

caggtgggtc ttgcaaagga atcttcccca cggattcaac tatagccata tccaaaatgg 240

cacaaaaacc aaaaaacaca aaaaccttcc ttgctatata tacagaacaa tctagaagtc 300

tctccacaaa cactcacatg tccaaaacag ttaaactgtt aagcacataa caaaacaccc 360

tgaaacaaca aataccttta agat 384

<210> 18538
<211> 326
<212> DNA
<213> Glycine max

<400> 18538

agccctgtat caaatcaagc ttagagaaat accttgcgcc acccaattca tcgagtaact 60

catcgatcgt cgaaattggg aaccggtctc tcacggtcaa cgcattcagt gccctgtaat 120

cgacgcagaa cctccatgaa ccatcctgct tcttaaccaa caaaacagga gaggaaaagg 180

ggctagagct gggctgaata aggccctttt gcaacattga atccacctga gactcaatct 240

cctggtttta gtaatgggga taacggtatg ggcggacatt gaccggaggt gcttggggaa 300

ggagatgtat gtggtggtcc gtgtca 326

<210> 18539
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18539

actgtcgca gggtgggggt ttggctcctc tgctgaccac catacagacc ttngcacttc 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

tncaccaatc caacaacagc gacga 325

<210> 18540
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18540

agctttctct attgttcttg atanaagaag agcaagacgg ttaatcatgg tactttgaca 60

tcaagcggta cgtagagtat aaggagtatc cacaaggggc ttctgaccat gacaagagga 120

cattggtgaa gttggcaact agttcctttt taagcagagg tatcctatac aaatganatc 180

atgatatggg cttgctctga tgtgtngaca cttaagaagc cgagcgaatg ctcatggagg 240

taccatgaag ggtcctttgg atgcatgcta atgtgcatgt catggctagg aagattctaa 300

ggcagactat aactggctca ccatggaaaa tgact 335

<210> 18541
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18541

ncatgttaag tatgtatggc anaacttcat tactgttgtt cttgacatac aagtgagctt 60

ntaacanatc ttctagactt ggagtgatca catgcagtcc tcttgaaccc ttaccactca 120

ttctatcatt atgctgagac tcaagaaggc caataggttt agccttctca atgtnattctg 180

aacaaaatcc aatggcttct tctacaatgt accttcaac aatagatgtt tttggatgat 240

atagattctt tgtataccct tttaagatct tcatgtatcg ctcaaccggg tacatccacc 300

gcaaataaac aggaccacaa catttgattt ctctaaccag atgcacaatc aactgaatct 360

tgatgtcaaa gaaagcaagg ggaaaatacc tctccaactg gcacaatata attgcagcct 420

[illegible] 474

<210> DNA
<211> Glycine max

<400> 18542

agcttgaatt ctaactggat gcattggtta acttggtaac ccagctggcc ttgaaccaaa 60

aatctgtacc tgtcgcaagg gtctgcggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc cgaagcttat gttgcaaata 180

ttttcaatag acctcctcaa cctcagcagc ataatcaacc acagcagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcaccc taatctcaga tggtctagcc 300

ctcagcaaca acaacaacag cctgctcctt cattccaaaa t 341

<210> 18543
<211> 315
<212> DNA
<213> Glycine max

<400> 18543

atctctatat ctttaaaggt tatcatataa gcttttaaga tatctttgtt atctctaaac 60

atcttaataa gaagctaaag tattatattg tattataaag gttattttat tgagaccgc 120

atatatcttg gtagactaag atcaatacat gtggtaataa gtttccaagt cttggaaaat 180

attatactaa tattttattg agttgtataa agatacttac ttggtatgaa aatcatgttt 240

cttatagctt acaagaataa tatttcggct ataattacat ctgttaatgg ctcaagctaa 300

ataattgaac tttga 315

<210> 18544
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18544

agctngtatt ccttatatct tcttcatcaa tggagtcctt tgcttcttga agatcaatgg 60

tagtggaatg gagaaggaag aaagattatt cgagacacga attcaaggag aagatgagtc 120

[illegible] 180

[illegible] 240

tggctaagtg tcacacaaat gggagggaca ttgaatttta cttgatttga attgaattgg 300

ggagccaatt tggagccaaa tttcactaat ttgttaatga 400

<210> 18545
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18545

ctaagcctcg cgaccagggg tcttcgtaat agaagagaca tacggctatt agcctgtgct 60

tgttcggaga gatcgtcata catgattaaa gtgtgacgtt cacggtacat aaaatattca 120

gccagagctg ctcctgtata aggggcgagg tattgtaatg tagctggaga atccgctgtc 180

tcagctacta caatagtgta ttccattgct cctctttctt gtaaagtatt caccacttga 240

gccacagaag atgctttttg accaatagct acataaacac atattacatt gtgtccctgt 300

tgattgagaa tagtatctgt ggctactgct gttttacccg ttagtctgtc tacaataatt 360

aattctcgtt ggccacgtcc tatggtgatc atcgaatcaa tagcaataag tcctgttaga 420

gaggctcata tacngaacgt ct 442

<210> 18546
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18546

tcaagctggt caaanaggga aaccaagtta aaactcattt cagagcatat tcattatttc 60

tacttcaaaa ccccttgatc tacttcacat tgatttattt ggtccctcta gaactatgag 120

tttaggtgga aattactatg gcttagtaat agtgggtgat tactcaaggt tcacacggac 180

tttgtttttg aaagccaaaa atgaagcttt tgatgttttt tgcaaacttg ccaaggtgat 240

taataatgaa aaaaggtctt aacattgttt cacttaaaag tgatcatgga ggtgaatctc 300

[illegible] 479

<210> 18547
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18547

aaaatggtgt atcaaagagg cgtaatacaa ctttaatgga tatggttagg agtatgttaa 60

tcaattagac tttaccngta tctttgtgga tgtatgcctt gaaaactgcc atgtatttgt 120

tggacagggt tcctagtaag gcagttccaa agacaccttt tgaactatgg acaaatagga 180

tacctagtat aaggcacctg catgtttagg gttgccaggc agaaataagg atttataatt 240

cgcaagacag aatattggat gcaagaacaa tcagtggata tttcattggt tatccagaaa 300

agttaaaaag gtatatnatt tattgttcta atcat 335

<210> 18548
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18548

naagcttttt tatgttatgt tgcctttaaa agatgttgac agcatatgaa tagaccagcc 60

tctggccata tgttattaag tattaattac gagcatactt aggcctacca aaatttaacc 120

taatcaggcc tatttcaacc ggtagttata aatatgttaa attaatttgt aagtctttat 180

attatttaat aaatttaatc aagttcttta attatatatt tcttttatat gagtctatga 240

acttgcattt atattctaaa taagtcccgt tattcttaat tagttccttg ctaagaccta 300

attaaatatt agatacaagt ctaacgatct aattgataaa aaagcttaaga attatttaaa 360

aataaataat agttcaaaga tta 383

<210> 18549
<211> 408
<212> DNA
<213> [illegible]

<400> 18549

[illegible] 60

ggaggccgat cttcaaaagg caaggacaat ccctggccta ggaaatccag tgcccatact 120

ctagtgtcac gcccagatc tctcagttgc ttctcataat ggaaagagcc aacaccaaaa 180

ccaggaagaa agagaacatg tggggaatcc acgttctcac accctgcctt ctcatagtac 240

acgttaagct taggcttcca ttcccaaaag caactactta ttggagcanc cattgaccca 300

tctggcagac ctggaatgac aactttgtta gtagcaaggt cttctacccc tgcaatatct 360

gctacatnct cttcancacc aattacatat ccatcgcaac tttcacta 408

<210> 18550
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18550

ggatttnnttt acaggagaaa tatcatttag attttgtgta ttananaata atccgaaaat 60

ctttgaaata tttacagttc aaataaaatt acattccata aaatgatatt ttatgtaact 120

aaaacatata agtaatatat ttagatataa atatacaagt actcattcaa gtgagtgaga 180

acaatttgtt atcccattaa gattagatct aatatgtttt atgactgtac aattatggat 240

acaatacctc atccattgtc aatctaatta tgattatttc tctttgtatt gttcacaatt 300

tgtatctntg cgaatgtgtt atgtccttca aaattattga tatattccct tccattgtaa 360

ctaatctcta acaatagcac acccaattga aactctatgt tttgaaaatt atttgaaaca 420

aagaatgata attgttaaca aaaatatgat gacata 456

<210> 18551
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18551

agcttgacga acttctata ttcatatagt atttgcctta ataagtccca ttggcatcta 60

ttattatgcc atgatgttcc tcaactatat ctatatatca tctagagaga aaaggaatgt 120

atcactacaa tcacttacaa aaatatgcca caacgcatat gatatatcca aactctacaa 240

acgaagaacc catatgaacc atgacaacac aatcctctac agagaatgta tgcccanact 300

actattagtg ctctacaact caagattaaa gatgtttctt ggaaaataac aacaagacgg 360

agtgtgctct ttactatcca agacattaag ccatatggtg gtatat 406

<210> 18552
<211> 288
<212> DNA
<213> Glycine max

<400> 18552

gctccttcaa ctgcacaagg ctcttaatat atgaagagtt tttttgtgga atcttcactt 60

tatgaagaca ctgacaaaga ctaatcttct acttttatga caaagtatga caagctgtgg 120

agcaaataaat gttcttccca tcagaccttg gatgcaactg taatcgtatc ctcatttgag 180

ctaaatctta acgaggattc aagccatcct ttgtcttgcc tcgaatgtta aagagcatcc 240

caatcacact gtcacataca tatttctgta catgcttaac atctatac 288

<210> 18553
<211> 355
<212> DNA
<213> Glycine max

<400> 18553

agctttgacc ttctgaattt ttatgacttg ctcagccaga tgaggcaaca ctcttcagct 60

tttgcggatg gacttccagcg tttggctcat tactttgcca atggccttga gacaaggttg 120

gctgctggga cccatcata catgcccctg gaaggaacaa cttccgctga tatgttgaaa 180

gcttacaaac tatatgttac atccttcctt ttgcaagaggt tcacaaatta ttttcttacc 240

cagacaattg ttagtcttgt ggaaaatgag ggcagcggtc atattattga ttttggcatt 300

tgctatggtt atcagtggcc atgccttatc aagaagctct cagaaaggca tggtg 355

<210> 18554
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18554

agcttattca ctttgcactc tatagaagtg ttagattgtt gaaatccagg agcctgagac 60

aagtaaacag tctcattaag taagccattc agaaaaatat tattcaaatc taattgagca 120

ajatcccact gatttgaaat ggctaaagta aaaataagtc taatagtaat tggttttact 180

actggagaaa aggtttatga aaaatcaaac ccttggactt gattcaatcc agtggcaact 240

agaggagctt tatacttatn tattgaacca ttttcgattt tttcatccta aatacccact 300

ggccttccaa ttagatgaaa gaggtactag tttccaagta tgattcttca tcaatgcttc 360

acaatctagt tgcatagatg acaaccagtt tggataagtc aggcatgttc acattctttg 420

ttcacaacga gt 432

<210> 18555
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18555

tatgatactc agctttatna aggttcgccc taatttctct acttttttcct cacctctgaa 60

tgagctggng aagaagaatg tggcatttac ttgtggtaaa agacaagagc aagcctttgc 120

tttgctcaaa gaagagttca ctaatgcacc tgttctagct cttcctgact tttctaaaac 180

ttttgagcta aaatgtgatg ctcttggagt gtgagctgga gctgtattgt tacaaggtgg 240

gcaccctact gcttattata gtgataaact tcatggtgcc accctcaact acaccaccta 300

tga 303

<210> 18556
<211> 443
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 18556

agctntgatg gtgtcgagat tatatcacat gtttgtcatc atcaaaaaga gggagaatgt 60

tggtaatcga ttaccaggag atgtaatcga ttaccagaag acagggttga gaaatagctg 300

ttgaaaaatg ttttgaattt gaattttcaa catgtaatcg attatcatat gtctgtaatc 360

gattaccagc aacgaaactt tggaaattca nattcaaaag tcataaccct tcanattata 420

actgtgtaat cgattacaca aac 443

<210> 18557
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18557

gctcgttgag tcatccaaat cattntcttt catacagttt atgatgcatc cagcaataag 60

ttcatttcca aattcacact tctattttaa ccaaattctt gatgctccaa atgttgtgag 120

aaagaactac agaaaacaat atcttccagg gccaatgttt gggccctatt cctttataaa 180

tgtagttggt ggcattgaag agtttgatga tgctggacga agccggacaa atatggttga 240

agtagcaatt gtgatgaaaa taattaaaaa ttgttttaaa gggttgtgtg tgtatgcgaa 300

atctcagtag tgatctatca ttttagtgta ttttcattct ccttgagaaa gactatactt 360

gtcaaaagtg aaaattttca ttatttccac tact 394

<210> 18558
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18558

gactctacaa tacacacgct tctcaaagat gtagttaacc aagtccatct tggatatcaa 60

ccatgtggta tggttcagca tgtattgtct tagacggtgg gacgcccaga ctaaagcaca 120

acacgttctt tcgagcaggg agtagttcat ttcataggcc gtgaactttt tactcaagta 180

gtagacagcg cgttctctct tcccggactc gtcatgttgc cccaacatac atccaatcga 240

[illegible]

acgaacgaga tggattttgc gtaataattg gaatttcgaa tcaaaattta

<210> 18559
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18559

agcttagcca ctcagttggc aagtgtatca gctgcttcct gtgtggatgc ctcagcatac 60

acacgaacaa catcttcagt gccagatggt cgcacaaagc atcgaccttg ggggtcctta 120

gctgtaaatg cagaagagga aagagtatca agctgcaata ttagtaaact gaaattctgc 180

actttaatct ttcacactaa aaggctttca tggatggatg aaactgacaa atatctcgca 240

gtcagtgaaa ttttgccaag ccacttggac ttgataacag taatagtata atcccataaa 300

caagacacca acttttcaga gatataacat tcaattntgg tattatttat gcctccttgc 360

ctcccctcact ctgcccattc ttggtggttc acanataana gcaagcaagc aatgatataa 420

ccaaaaaaca atgtt 435

<210> 18560
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18560

tattgctaaa tgctaatcaa tcagcaattc tcacagaaat catcttgttc ctgacaatgt 60

tagaaaccat canaccatgg ccatatataa ctgtgcaagc atgatagaaa acaaatttata 120

aaactattag aaatgaatga ggaagtntga caaaatactta agacaaatac cttttcattg 180

tatatacgaa agccttcttt gactactgct ntagtatcat ctgaccgagt aatgagcttt 240

gacatacagt gtgcaggaag aagaagtgga gccatgacca 280

<210> 18561
<211> 376
<212> DNA
<213> [illegible]

<400> 18561

[illegible] 60

cactagtaat tgattaccaa aacattgtaa tcgattatag ctttttgaaa ataattggaa 120

cgttgtaaat tcagtttgaa aacttttttca aactcatttt gctactggta atcgattaca 180

acaatatggt aatcgattac cagagagtaa aaactctttg gtaaaaggtt ttgtcaaaaa 240

ttcatgtgct attcaaagtg ttagtgcttg gctttactga gttttaaaag aatggctagc 300

atgttgttaa aacataagca cttacacaat gaaggaaagc tggagttgct gcacatgatg 360

tctaacatta tgtcaa 376

<210> 18562
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18562

agctttatat ttgtntgttc ctaatttctc tacaattgca tcacctctca atgagctggt 60

gaagaagaat gtggcattta cctgtggtga aaaacaagag cgagcctttg ctttgctcat 120

agaaaagctt actaaggcac ctgttctagc tcttcctgac ttttctaaaa cttttgagct 180

agaatgtgat gcctctggag tgggagtagg agctgtattg ttacaacgtg ggcaccctat 240

tgcttattct agtgaagaac ttcatagtgc caccctcaac tatcccacct atgataaaga 300

gctttatgcc ttaataagag ccctccaaac ttgggaacat taccttgtnt ccaaggaact 360

ngtcattcat agtgatcatc aatcacttaa gtacattaga aggcaaagca agtta 415

<210> 18563
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18563

gnttaacatt caattttcgag cgtctcgata tattacgaga ctcaatctta catcagagaa 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 341

<210> 18564
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18564

tatcgtaacc gattacacca tatttttga gacaatgatt gatttttagg agtctctgct 60

ntaatccatt accagtagat ataatcgatt acttctctct tannaagtgt ntcagaagtg 120

atcaagaaca ctttaatcaa ttacatcnaa aatctaatcg attacatttg tctttgaagt 180

tttccaatnt ttgggaagaa cactntaatc aatcanaatg gtaataatca attacttctt 240

tgaaataatn gattacattg tatatntaat tgattacagg cagttattac gagctggtat 300

aagctagaat aacattatta gaaaatatgt tttttacatc ggttatttat gactntcaac 360

atcngttttt aaaatcgatg tgaaagtacc gaccgtgata gtattattgg taacatcngt 420

tttttaaaac tgatgttacg taaaa 445

<210> 18565
<211> 399
<212> DNA
<213> Glycine max

<400> 18565

agcttaagat taatctcaaa gttgcaaaag tacaaccttg taagagactg agtatgtcat 60

gcaaagatga tttacatttt gaatcttgtc aaaagtggaaa acaagttaaa aaactctttt 120

tccagtaaaa atattgtttc cacctctaga cctttagagt tgttacatct tgatctgttt 180

ggcccaacaa gaacaacctc aatatgtggt aaaaggtatg aacttgtcat agtgaatgat 240

tactttaaat ggacatgggt aatgttctta gcccacaagg atgagtcttt caaggtcatc 300

taaaaatttt caaaatagat taaaatgaaa atggagcatt gttgcaacct acccttcgtc 360

<210> 18566
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18566

agctttaaga atatttgcaa catcgttntg gatatttaac aagaacattc tatttcttga 60

cattggtacc ttggtaatta gattattttct cccatctctg atggaaagac tagaatcttt 120

catgtgaata tcatagcctt ttttgagtaa ttgtcccaaa ctcacaatat tgttcttcat 180

atttgggacg tagtagacat ttgatatgaa ttcatgtctt gcatccttca natggattat 240

gatcttacct tctgtctttt atacgaatct tggaattata acagattatg cattgccact 300

tactgactca tcaagatcca cgatcatgct ttcttctcac acatatg 347

<210> 18567
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18567

agcttgttaa ttcgtggaag ctcctaatat ctcccacact ttttggggtg ggccattctt 60

ggatggcctt gatttttctca aggtccactt ggaccccatt tttacctact acaaaaactta 120

agaaaactat attatctaca caaaaggtac atttctctat atttgcatag agggtgtttt 180

tcctaaggac tgaaagaact ttcctaagat gtcctaagtg atcatctang ctcctactgt 240

atactaaaat atcatcaaaa taaacaacga cgaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc 360

attcatacaa accaaacttg gtcttgaaag cggttttcca ctcatcaccc ttttttcatcc 420

tgatttggtg atgaccactt 440

<210> 18568
<211> 382
<212> DNA
<213> Glycine max

[illegible]

[illegible]

[illegible]aatcatgaga aaaattaata 120

aacgagttct atatttaaaa caaatatact aacattttac aacagaaaaa tagactatat 180

accatacgag ataattatcc cagctctata atcatctaaa atatgggtac aattgtataa 240

catataatta taataatggt gtgagtaatc cacacttata taattacaca ctcatgtaac 300

cattacgaga tatgaaagaa agaaatatgc tcaaacattt ctttatcata ttcaagtaat 360

atgttctaca tgataagtta ca 382

<210> 18569
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18569

agcttaataa cccttcttgt agagtatcaa gatgtctttg catggtcata tcaagacatg 60

cccggtctgg attccgacat tgtgcagcat aagttgcctt tgaatcctgn gtcttccccg 120

gttaagcaaa agttacgaag aatgagaccc aagatgtctt taaaaattaa agaagtaagg 180

aagcaatttg atgcagggtt tttagctgtg gctcggtacc cagaatgggt agccaatatt 240

gtcccagtcc cgaaaaagga cggcaaggtt cgaatgtgtg tagactaccg ggacttgaac 300

cgagccagtc ctaaagacaa ttttcccctа ccacacattg atatattggt agataataca 360

gccaaattcg tcctttttctc atttatggat ggtttctcgg ggtataatca aataaagatg 420

ncaccgaag atgtagag 438

<210> 18570
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18570

nncgccaat ggtatttgag gtttaatgat accattatct cctttatata taaggaaaat 60

[illegible]

[illegible]

aaatattcca taatagatca taatgattgt tacgcttatc tcacaaagta catatatcca 300

taaagtgcta cagaaattca agatggacag gtgtttaaca tcgcctattc taatgtataa 360

atgagacaca tttattctca caccaatgc 389

<210> 18571
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18571

natgctgcan acacttataa tagacctcct catcagcaaa actctcaaca atagaataat 60

tatgaccttt caagcaatag atacaatcca ggttggagga atcatccaaa tctgagatag 120

acaagtcctc cacaacaaca tcagcctgtc cctcctttcc aaaatgctac tggtccaagc 180

aagccatatg ttcctcctcc aatgcaacaa caacagtagc agtcacaaca aagacaacaa 240

gcaactg 247

<210> 18572
<211> 397
<212> DNA
<213> Glycine max

<400> 18572

agcttctctc ttttcttgta taattattat attttggtta taagccttgt atttggctat 60

gtatttatga catttgaata cttagtattt cttttattat tggattagta tgactgaaca 120

tgatgatcat atttacttgc tcttggttgc ttatggttat gaagttttaa acttaattat 180

ttttgatgatg tatgactaga ggtatgcatt tttatttggt tattatgaat gacttttctgg 240

attatatgac attctataga gtattatctg tctaagattg atgaatgatt aagatatctt 300

gttagattga tttctattct tgcgcatgtc atttatgtat ggtaattata tttcttacct 360

ctctaagttt gatgaatggt taacatatcg tgcttaa 397

<210> 18573

<400> 18573

agcttaagct tcttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgat gaagacactg acaaaaactt atctttgcct tcttggacaa agtatggcag 120

gctgggggca agtaaatctt cttcccatca gaccttggat gcaactgtga tcgtataccc 180

atatcagcta gatcttgatg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactgtc acaaacatta ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcacgcca gtacggaaga tcacagaaga tggacctctt cttccatatg 360

caacgctgac tnttatcctt cttttgggtc ttcccaaata ctatattcag gtgttgaacc 420

cgttgatata c 431

<210> 18574
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18574

tgttntaatg tgttataaga accaatgctc ctatcaacag gcatattcca tgaccccagt 60

ccccaaacat cagagcanat aagtaaggga atataatagt tgggtaaact ataggatttg 120

cttcttggta tcttgcaaca ctgccaagta aaagggctaa ttangaatct aatcagttgt 180

catggattta ttatataccg agaagaaatg gatagtaagc tagataattt gtatccaccc 240

tggangaaaca atgcactata aagcagtcct aaaatttact tcaagacatt taataattca 300

tgttgctgct agtaaagtaa ctaaacactg tatgcatcac caatttcttg ataaggaatt 360

gtgaaagtgt tggtcctaan atatgt 386

<210> 18575
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18575

tttgggggtt tgncaatcag gttgtttcat tgtttgaact ttaagcttac tttgttagtt 180

ggtaatttgt ttctggcttt aatttntgtta tagtatttgt tggtgtcgtt atcatcttaa 240

catttnttaa ttttggtatc tgaacatggc ttattgattt catcatcatg aatggctgtt 300

gtttgntgga ttgtgtcact tttcagctat tcgttntggt catattcatt tgtatgctgc 360

tcctttctct atagcttagc cgcttagctt ttgatgagtc ccttatatgt tattatttct 420

tg 422

<210> 18576
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18576

tattacaagt cagtgagaca acctcaaaga aggctgaatc taataatgaa agaagaagta 60

agataggaag tgctcaagtt ggtagaggca gggctcattt acctaatctc ggatagttca 120

tgggttagtc ttgttcaagt tgttccaaan aagggaggta tgacagtgat aaagaatgat 180

agagatgagt taattcctac aagaatagtt actgngtgga ggatgcgtat tgattacagg 240

aagctaaatg aagccactan ganagaccat tacctgctcc ccttcatgga ccanatgctt 300

gagagacttg canggcaatc tttctactgt ttcttagatg gatactcann gctacatcaa 360

attgcagtgg atcctcanga ccaagaanaa acatctttca catg 404

<210> 18577
<211> 434
<212> DNA
<213> Glycine max

<400> 18577

agcttggcta ttactttata catgcaacca atgagagaaa tatgtctata gtcatttaaa 60

gactgtggat gggttgcttt acgaataaga gccaagaagg aggcattgct gcctctaggg 120

aagctgccat gaatatggaa ttcatccaca aatctcctga attcaggttt caaaaccccc 180

[illegible] 360

tcagtaaatc tatggagaga gaatttgaga acttcattct tgactaaatt atgctggtga 420

acccatacac catc 434

<210> 18578
<211> 401
<212> DNA
<213> Glycine max

<400> 18578

agcttaaaca ttcaacttcg agcgtctcga tatattacgg gactcaatca gacatccgag 60

taaaaaatta ttgtggtttg aattggctca tagattcaac tttcaatttc gagcgtatcg 120

atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaactagttc 180

acagattcaa cattcaattt cgagcatctc gttatattac gggactcact cagacatccg 240

agtaaaaagt tattgtcgtg tgaattggaa aagaggttca acattcaatt tcgagcgtct 300

cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360

tcagagattc aacattcaat ttcgagcgta tcgatatatt a 401

<210> 18579
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18579

ntgagccaac tcanacgata ataactntnt actcggatgt ctgattgagt cccgtaacat 60

atcgagacgc tcgaaattga atgttgaacc tctgagccaa ttcaaacgac aataactttt 120

ttcacggatg tctgattgag tcccgtaaca tattgagacg ctcgaaattg aatgttgaac 180

ctctgagcaa attcagatga caataacttt ttactcggat gtctgattga gtcccgtaac 240

atatcgagac gcttgaaatt gaatgttgaa actctcagcc aatacaaacg accagtaact 300

tttactcgga tgtctgattg agtcccgtac atat 334

<223> [illegible]
<400> 18580

tcttatccaa ggctcatctt ggtggtgaag ctcctttttt tatgacttat tccctagtgg 60

atggcacctc ctctcacctc ttctcctttg tcttccgctg catctccatg gtggaaaatc 120

accattaaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180

gcttccatca ctgcctttga ggatcgagga tagacgaaca aagtacctaa gaaggaagga 240

ggttccattg gtcaaggtga cctgtggagg tacatcagga gaagatgcca cgtgggaatt 300

agagagtcag atgcaagccg cctatccatc cttgttttgag tcaggtaaat ttcggggacg 360

aaatttctaa aagggtagga gagttgtaac accctgagat attataagtt atatatcgat 420

gtttaa 426

<210> 18581
<211> 368
<212> DNA
<213> Glycine max

<400> 18581

tatgcacttc tcttatgaca acggcagcac tcctagcact aaactgctac gagcttgaag 60

ccatcttctc aactaaattt ctggcttcag cagggccat gtctccaagg gctccaccac 120

tagcagcatc gatcatactt ctctccatgt tactgagacc ttcataaaaa tattggagaa 180

gaagctgctc agaaatctgg tagtgagggc aattggcaca caatatcttg aatcttaccc 240

aatactccata catgctttct ccaccaagat gcctgatgcc tgaaatgact attctgatgg 300

cagtggtcct ggaagcaggg aaaagttttt ctaagaatac tctcttgagg tcatcccagc 360

ttgtgatg 368

<210> 18582
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18582

[illegible]

tngatttgcaa agctgctagt aaagtggttc acctgtctaa tataatacat aaattttggtt 180

aaagtgtaac atatctcctc aaataatgca agaaccacat ccaaacttct ttgatctcgc 240

tctcaacaat tgcaaaagaa agtggaaaat tatttctact accatcttgt ctaatggcag 300

tcaacaaagt accataatat tttccagtta aaaatgtccc atctgcttgc tcaattggct 360

tgcaatattg aaagccttca atgcatagct tanaagccca aaatacacga ttaagaatca 420

cct 423

<210> 18583
<211> 420
<212> DNA
<213> Glycine max

<400> 18583

tgtagggtta aagtctcacg attggcacgt gctgatgctc atttgttagc cgaggctata 60

cgagacatct tgccaaacaa agtcaggtta gcgataactc gcctgtgctt tttcttccat 120

gctatatgta gcaaagtcat tgattcagtc aagtttgatg agttggaaaa tgaggccaca 180

attatactgt gccagttgga gatgtatttt ccccctgctt tctttgacat catgattcac 240

ttgattatgc atctggtcag agaaatcaaa tgttgtggtc ctgtttatct acgatggatg 300

tacccggttg agcaatacat gaagatctta aaagggtata caaagaatct atatcgtcta 360

gaagcatcat ggcagaacaa gctagacatg tattttacgt gcaagaccct tgtgatgaaa 420

<210> 18584
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18584

gggatgtgaa cgagatatcg cgggatatat acttgtgatt gccaaacaat aacgacatcc 60

atcgtctact acgaattaga gagacatatg ggctgacagg tatgtttgat tctatcgatt 120

gcatgcatcg gaaatcgata aatcgtctag ctgcattaca aggtcaatat tggacaagtg 180

[illegible] 240

[illegible] 300

cccatataat atgagatact atattgtaga tgacgtttat cctgat 406

<210> 18585
<211> 403
<212> DNA
<213> Glycine max

<400> 18585

tctaaacttt atacaagaat gaagctctga taccacttgt tagacttttg gcctcagata 60

tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaatctatt 120

tcactctctt ttcaagttat aaattccctt aacaatgaac ttcttaaata ttaattcaaa 180

taagacaatt tgaatatgaa tatcaagcaa taataaacaa aggagataaa gggaaaagaa 240

agtccaaact caaattatta ctggttcggc ccaccttggg gcttcgtcca gtccccaacc 300

aaccccgttgg aaagtcccac tatctggtaa attccttta caagtcttaa ccacataagg 360

acaatccttc cttggggtta aaaattcctt aacaccagaa aac 403

<210> 18586
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18586

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taccttccta gcacagtgtc caagtttttc tcctgttgct ggttggtgat cctcattctc 120

attctcactc tcagctaaaa ggcgcctagc agtgccagaa atatcagaga aagagaaaaa 180

agtctgaaaa ngtgatgtgg cttttgttaa ttcttccttt ccattatcct ttagactgca 240

aggaagcata tggtgagtcc aacccactgg aacacaaatt ctgattatcc cattttgtgt 300

tattgtcagt agcagagaaa taaagcccaa tagcatcaac tctgaaacga agacagaaaa 360

cagaaaagga aaaaaatatt gcgaaattaa tcacatccca atttncataa cagaagtccc 420

-

<210> DNA
<213> Glycine max

<400> 18587

tttgtaaggg atgtgaacga gatattgtgg gatatatatt tgggaaggcc aaacaataac 60

gacatcaatc gtctactaca aattagagag acatatgggt tgacaggtat gtttgattct 120

attgattgca tgcatcggaa attgaaaaat tgtctagttg cattacaagg tcaatattgt 180

agaagtgatc attgcaaacc catagtaata cttgaaggcg tcccgtaaca agacttgtgg 240

atttgacatg cattattatg gagttgtgga ttcaaatgat gacattaatg tgttaaacca 300

atcatttgtg tttaatgaca ttttggaagg ttgagctctc tagtgcaatt tacaattaat 360

gtaacccccat ataatatgag atactatatt gtagatgacg tttatcctga tttggatact 420

tt 422

<210> 18588
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18588

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ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120

agcaataga tttaaatatc tgggaagcca ttgaaatagg gccttatata cccaccacag 180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaatcta 240

gagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300

taatgacatc tgccctagga atggatgaat atttcagagt ttcaaattgc aagagtgcta 360

agaaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420

ngataaatgc actaac 436

<210> 18589
<211> 347
<212> DNA
<213> [illegible]

[illegible]

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ggtaaaaaaa tgcatcgatg tgttcatgga ttatttcttt gtctttggat tttcctttga 180

gcattgttta tccaacttgg aattggtgtg accacaagat ctcgtctcga gggattgaag 240

tggacaaggc aaaaattgat attattgaga agttgcctcc acttatgaat gtgaaaggca 300

tccaaagtta tctcatacat gcccgacttc tatcggaggt tcataaa 347

<210> 18590
<211> 433
<212> DNA
<213> Glycine max

<400> 18590

tgaagaaact gtctacatgc agcagccccc aggtttcgtt tatgacagta accttgtttg 60

taaactgaac aaggctctct atgggctgaa gcaagcacct tgtgcatggt ttgaaaagct 120

ttcagcaact ctcatctctc ttgggttcaa ggctagcaag tgtgaccctt ccttatttgt 180

atgtcatgtg gaaacacaac ttatgcgctt gtctatgtgg atgacataat ccgcactaga 240

aataatagtg ttctaattca gcaacttatt tcatagctaa actctatttt ctctcttaaa 300

catcttggca agttggacta cttccttggg attgaagtca actataattc cgcaggttct 360

gtcatgcttt ctcaaaccaa atacatctca gatttgcttg aaagagtaaa tatggaaaaa 420

gctaaaggaa ttt 433

<210> 18591
<211> 409
<212> DNA
<213> Glycine max

<400> 18591

tcaacattca atttcgagcg tctcgatata ttacgagact caatcttaca tcagagaaaa 60

atgttattgt cgtttgaatt tgctcagagc ttcaacattc aatttcgagc atctcgatat 120

gttacgggac tcaatcagac atccgagaaa aaagttattg tcgtttgaat tagctcagaa 180

[illegible] 240

[illegible] 300

agattcaaca ttcaaatttcg agcgtctcga tatgttacgg gactccatc 409

<210> 18592
<211> 389
<212> DNA
<213> Glycine max

<400> 18592

tgtaatcgat tacacacata cttgaatcga ttaccagatt atttttttcag aaaacattct 60

caacagtcac atctttttgt gtggttcttg aatggctatc ataggcctat atatatgtga 120

crtgagacac gaatttgaca agagtttttc agagcaaaaa ggtcttatac tcttataaag 180

agaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240

ttatttgagc gctcaaattg atcaatctat ctctttcaag agagatttct tcttttcttc 300

ttcttcattt tgaaaaggga ttaagagacc gagggtctct tgttgtgaaa taattctaaa 360

cacacaggaa tgcgtgtcct tgtgtgtttt 389

<210> 18593
<211> 367
<212> DNA
<213> Glycine max

<400> 18593

tgatcaacac ttgcacagtg gtcgatgatg catgggagat cctgaaaatc actcatgacg 60

gatcctccca agttgaagat gtccagattg caactgttgg ctacttaact cgggattctg 120

atgatgatcg aggaagaatg tattcatgac ttccacatga acattcttga aattgccaat 180

gcttgcactg tcttgggaga gaagatgaca gatgaatagc tggtgagaaa gatcctcata 240

tgcttgccta atagatttga catgacagtc actacactag aggatgccca cgacatttgc 300

cacatgagag tagatgaact cattgattct cttcagacct ttgagctagg actctcggat 360

agggctg 367

<210> 18594
<211> [illegible]
<212> [illegible]

<223> unsure at all n locations
<400> 18594

tcttacgtag cctctcttgg tgctcagaat atcccaataa cntatccctc ttattactag 60

ctattgtgaa ttctttagtt cctgaatgta caaccttaaa attgttgctc gttccccttt 120

ttgctaaaac atcaagagct gtaactacgt cactaatcaa aggtctggta tcagcttcct 180

tctgaataca cattgctgca actgctatgg cttggtgtag accctatgtt gggtagttcc 240

ctttcatcaa tggatcagcc attgatgaaa atttccttct gtctctgaat acgggttgtg 300

ccttataaaa aaaaacatta tgaatgtcaa ttgctgaaca tttgtgcata ttattggtct 360

tagct 365

<210> 18595
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18595

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tcaatgtcga gcatctcgac atgttatgcg ctcaaatcgg acatccgtgt gaagaggtat 120

gaccatttga gtttctcgag agcttccatg gatcaatttc gagcatatgg tcctattatg 180

tgcccgaatc tgaccttcgt gtgagaagtt atgaccattt gaatttctca agagcttgcg 240

ctgtttaatt tcgagcgtct caatatattg taagcgtgaa tcggagctca gtgtgaaaag 300

ttatgaccat tagaatttct ccaaagctta cttggttcaa tttcgagcat ctagacatat 360

tatgtgcacg aatctgtcct tcgagtgaca agttatgacc atttgaattt atcgagagct 420

tacgctg 427

<210> 18596
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18596

[illegible]

tacaaatga aaggtttccg gaacdaagga aatcaaagct tctaccatgg aaaaatggac 180

catttcaagt gcttgaaaga attaatgaca atgcttacaa agttgagctg cccggtgagt 240

ataatgttag ttccaccttc aatgtctctg atttatctct ttttgatgca gatggagaat 300

ccgatttgag gacatatcct tctcaagatg gagagaatga tgaggacatg accaagagcc 360

atggcaagga tccacttgaa ggacttggag gacctatga 399

<210> 18597
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18597

tcttcttgtt tctctcccca tttgaaacca acatttttct tgagcacttc attgagaggt 60

gctgccaatg tgctaaaatc cttcacaaat cgtctataaa aacttgctaa gccatgtgtc 120

gcaacctacc cttcggcggg agggcgatgc gtgactcgcg ggatgcgtgt tccacgaaag 180

gaatacgcgc ggagtcgcca ctaatgttta tttgaggaaa acgtcggaaa aaccggaaaa 240

gaagcgatct acgaactttt aagtgaaagg ctcgggagtt gtatttacgc gtggggaagg 300

tattagcacc ccacacgtcc gtcacaaggg acggcagcct ttaatcgaat gtgcaaacat 360

gactttgatt tttacgttcc cttttatgtc cttatatcct ttataccctn tntatanttt 420

tttct 425

<210> 18598
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18598

actcagctgt cattggcgag caaataaaat nttttttcatg atagcatgga tagtattaag 60

aaagttgcaa ttgatttaga cagatgttgt agggcctcaa agaacacctt cattgaaagg 120

[illegible] 180

[illegible] 240

tctgacatcc aacatcaact tactaatcct tatacccccac aacaagatgg ggttagtgag 300

aggagaaata aatatatctt ggagatgatg agatgcatgt tgtatg 406

<210> 18599
<211> 312
<212> DNA
<213> Glycine max

<400> 18599

tttttatttca aaagattctc atgaaacttg tgacattggt catttagctt aacacaaacg 60

aaagccctat tctcttaatt cgagaagaag ccctaaaatt tttgagttga tgcctatgga 120

tatttgggga ccatttttta aatcatcaat tcgtggacat agatatattg taactatact 180

tgatgatgat agtacatata ctcgggcggc tttattaaaa tcaaaaagtg aagtgaaaac 240

acatgttcaa aactttatta atctgatcga aaatcaatcc gaagcaaaaa ttaaatgcat 300

tcgattcgat aa 312

<210> 18600
<211> 429
<212> DNA
<213> Glycine max

<400> 18600

actcagcttc taatttttggg attgatgctc ttaaactgtt ggtatatatt aaactgagtt 60

ccaaccaagg ctgtctcaaa gacacctttt gagttattca agggttggaa accaagtttg 120

cgacatatac gcgtataggg atgcccgtct gaagtaagaa tttataatcc acaagagaag 180

aaactagacc ctaggactat tactgggtat ttcattggat atcctaaaag gtttaaaggg 240

tataggttct attgtccatc ccacaacact aggattgtgg aatcaaggaa tgcaaagttt 300

catgaaaatg acttgatcag tgggagtgat caatttcaga acatttcttc tgaaagggat 360

cactatgaag ctgaaccttc tgggacaagt aataggttgg tagtcattct caccccctcaa 420

gttaaaatg 429

<223> unsure at all n locations
<400> 18601

gacctataaa actcagctgt atcatacaca catctgaatc gatatcgttt agtttttcag 60

anaacattct caacagtcac atcttttttgt gtggttcttg aatggctatc ataggcctat 120

atatatgtga cttgagacac gaatttgaca agagtttttc agagcaaaaa ggtcttatcc 180

tcttataaag agaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt 240

caataaggaa ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct 300

tcttttcttc ttcttcattt tgaaaaggga ttaagagacc gagggtctct tgttgtgaaa 360

taattctaaa cacaaaggaa gggttgtcct tgtgtgttta gaacttggaa aaggaatgta 420

taagatagtg gaactct 437

<210> 18602
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18602

ttccattctc ttggaagttc atcattggat ttttcttctt ctggaggatc tttattgttt 60

cctttatcat ttcctttgga atcttgttca tgaatattca tatgttctaa agaatctgca 120

atatcatcta gcatattctt tcttgacaag atagcattag attcatcaaa ggtaacatga 180

atggattcct cgatattcat agttctttta ttatatatcc tatatgcttt gctttgtaat 240

gaatatccaa gaaaaatacc ttcatcatat tttgcatcga attttcctag atttatctta 300

ccattattaa gcacaaagca tttgtaacca aaaacatgta gatgagaaat attaggtttt 360

ctaccattaa ataactcata tgggtttttc tttaanataa gtcttattaa ggccctattc 420

atgatct 427

<210> 18603
<211> 402
<212> DNA
<213> Glycine max

tctcacaaaa aattgaatta gtgagacatg gagttacaag atttgctacc actttcttaa 120

ctttgcaaag attgcataag caaaaggcca atcttataag gatgtttact tcagatgaat 180

gattgaagtc taaggcagct aaagagccca aggggaagca agcaacagat gttgctctta 240

tgccatcatt ttggaatgat gttgtctatg ctttaaaggc tatagggcct cttgtaagtg 300

tgttgaggtt ggtggataat gaacaaaaac ctgcaatggg tttcatttat gaagcaatgg 360

atagggccaa agaagcaatt catagagctg tcaataacaa tg 402

<210> 18604
<211> 417
<212> DNA
<213> Glycine max

<400> 18604

ttacgatttc aaactccaca ataagagat gctttattat aattaggtga atttaatgat 60

ggtcttaaaa taaaaagcga agcggattgt ttagcaactt atgaacttga aaattttgag 120

tttttattaa gtatgactat ttggtatgac atattatttg ctgtaaactc cattagtaaa 180

aagttacaat caaaagatat gagtatggat gccactatag aacaattaaa aggtcttatt 240

ttatttttatt tttgaaaaat atagagaagg tgaatttgaa aatactataa tttatgccat 300

agaaattgtt aatgaaatgg agatagaacc taagtttcat gaaaaaacat gtagtttgta 360

gaaaaaaaac aatatgatag aaatattgat aatgaagttg aaaatcgcct aaagaat 417

<210> 18605
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18605

gcacgtatcg gtcaagtgta tggaccacgt tgtattcatt tgctcatcga taatggttcc 60

agtttaaacg tgatgcccaa gagcactttg gagaaattac cattcaatgc ttcccaccta 120

aagcaaagtt ccatagtgat tcgtgccttc gaaggcaccc ggcgagaaat taaaggtaca 180

[illegible] 360

ngcg tgaag [illegible] cttatgtgga ggccgcagag 420

gaat 425

<210>
425
DNA
<213> Glycine max

<220>
<223> [illegible]sure at all n locations
<400> 18606

[illegible]atta gaaaacacat aactaggagt ggaaatatat taaaagttcg attatatttg 60

ttgttgacaa atagagnaat gaggatagta cacactaata ttacaataat aggaaaatgg 120

aataattcat gtaccaaata aatgataact catatttgat gtgaaaaata tgttacccaa 180

actgtcgagc ttgtaaatca acatatgata ttttaactta atcaagtgaa tttaagttta 240

atataattgt gttaaatatt ttgataaaga attttgatag ttataatagt tataatgtga 300

ttttttatata aaaataataa aaatcattag tcaatctggg taaagaaaga agacaagaca 360

tagaggttac aagtttaaat tctccaaaac gaatatttca nacaaaactt ataataaatt 420

aacat 425

<210> 18607
<211> 385
<212> DNA
<213> Glycine max

<400> 18607

acatgaaaat tgaggaacca aaccaaatct atatgggaga ggcgtgagag ctaacgaagt 60

ttctctgcta cactttgaga tggaaattca attgcagcat ccgaagaagc acttgagagc 120

gagcacatca caaggaggcc aagggagaag caacaaccac atgtcccaaa gcaagtatgt 180

tggggtgagg caaagagcat cagggaaatg ggttgctgag atcaaagaca caacacaaaa 240

gataagaatg tggcttggca catatgagac agcagaggaa gcagcaaggg cttatgatga 300

[illegible]

[illegible]

<210> [illegible]
<211> 353
<212> DNA
<213> Glycine max

<400> 18608

aattgaggaa cccaaccaaa tctatatgtg tgagttgcga gaactaaggg aggttctctg 60

ctacactttg agatggaaat tcaattccgg cattcaaaga aacacttggg agccagcaca 120

tcaaaaggaa ggtaagggag aaacaacaac caccaaacca aaagccagta tgttggggtg 180

aggcaaaaaa catcagggaa atgggttgct gagatcaaag acacaacaca aaagataaga 240

atgtggcttg gcacatatga gacagcagag gaagcagcca gggcttatga tgaaactgca 300

tgcctccttc gtggatccaa cactcgcacc aacttcatca cacgtgtgtc cct 353

<210> 18609
<211> 426
<212> DNA
<213> Glycine max

<400> 18609

aggaatttgg acaaagacgc tagtatcatc gttctttttgt caaggttagc ttatgaactt 60

ctccaacgtt gataggacag tgcatttcta gtatcatcgt acaattgtca aggttagctt 120

caattccccg gtgggtgatc atgaaaccca agaattttct gcctctaacc ccaaaggtgc 180

attttcaaag attgaggcgc atgttatact tgagaatctc tttgaacacc tctgccaaat 240

ttgccacatg tttggccatg ctatgagact tgacgaccat gtcattcaca tagaccttga 300

catttgtcca tatctgttgt ttgaagaccc agtccataag cctttgttat atggctctta 360

cattctggaa gtcgggcgca ccatccataa gcttttcgat gatgggaaag ggatatgcat 420

cctttgg 426

<210> 18610
<211> 415
<212> DNA
<213> Glycine max

<400> [illegible]

aagaagttca aaggtacggc cggagcattg acattatcag tgaaagcctg gcacttatgg 120

cacttcctca catggatgca acaatagttt tccatagtga gccagtaata ccctaccctc 180

aaaatcttct aggccatggc atgcccgttg gcatgtgttc caaaggatcc ctcatgcact 240

tctactagca tttgcttagc ctccttggca tttacacatt gaagcaaaac catatcatgg 300

ttcatcttgt acaagatatt tccacttagg aaaaagcagg ctgcacaaac attactcagc 360

tgagcaagaa caatttctta taatattcaa ccaatttaga atcaagaact caaca 415

<210> 18611
<211> 273
<212> DNA
<213> Glycine max

<400> 18611

taacttgcgt attgctgtga cttacagtct tcaccgggct caccttatgt gtcctactga 60

ctgtgaagtc accctcactg gctgacagac ccgcagggtc agccatacag agatttgacg 120

aacgccacca tgcttgctct acaatctcgc taagacgatc catctatgat ggccggtctg 180

ttcactgcga ctgactattc cgccatgacg ctgagatttt atctctgtac agctctctct 240

ggaactgcca gagtgacctc tgagacccac tga 273

<210> 18612
<211> 355
<212> DNA
<213> Glycine max

<400> 18612

cttgattttc tcacggtgca cttgaccccc atctctacca actacaaacc cratgaaaac 60

tatattatct acacaaaaag tacacttctc tatattatca tagcgggtgt atttcctaac 120

gactaaaata acttgcctga gatgtcctaa gtgatcatct atgctccaac tgtacactaa 180

aatatcatca aaataaacaa ctacgaatct acctacgaaa tcccttaaga catgatgcat 240

aagcctcata taggtgctta gtgcattagt gagcacaaaa ggcatcacta gccattcata 300

caaaccaaac [illegible] 355

<210> [illegible]
<211> [illegible]
<212> DNA
<213> Glycine max

<400> 18613

agacgctcgt tattgagcta cggctgctct cgagaggatc gaatggtcat tagttgtgga 60

acgaatgtgc tatgagggga cgtgactcgt ctatacgctc gaaattgagc gacggatgct 120

ctctagaggt gcgaatggtc ataggtatca acacggatgt ccgatacgtg gacgtagtag 180

atcgggacgc tcgaaatgga acagcggaag ctctggagac tatggaatgg taataacatt 240

ccactatgat gttcgacttg ggaacgtaat atatctag 278

<210> 18614
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18614

cgagaaggag gaaaggtgat tggagatgcc acttcaagga gaagatgagt cgagaacaaa 60

ctcaccacca tatgaagcca tggataagag cttgaaagta ggagaagatg agtggaggga 120

gagggagaga agagggcacg aaatttatgc ctcaaattag gtcaaaacat taaagtctaa 180

tttcttaaat gatcaaactt gaaaaaatgc acacacaagg cctctattta tagcctaagt 240

gtcacacaaa attggaggca aatttgaatt tctattcaaa tttcacttga attagaattt 300

gaatttgtgg atccaaattt ggagccaaaa ttntactaac tatgagtaat gaatttcagc 360

tat 363

<210> 18615
<211> 317
<212> DNA
<213> Glycine max

<400> 18615

tgaattcaaa aaaaaaacaa aaattacaat tacaattttt taaaaatatt gtaatatttt 60

attttagctt gtgctcacgt actcccacgt agcccatatc ctcacttgtc tcagcaccgg 120

[illegible] 180

[illegible] 240

tctctatcct aatcttca 317

<210> 18616
<211> 314
<212> DNA
<213> Glycine max

<400> 18616

tgacctttct agctacaggt acaatcccac gtggacgaat catcccaacc ttacatggtt 60

gagtcttcca caatagcagc aacaacaaca gtcgctactg caatagccct ataaatagca 120

tatagctgag gcttcctccg caccttccct tgaagaactt gtgaggaaaa tgactatgca 180

atacatgcag cttcaacaag agaccaaagc ctccattcat agcttaacta atcaaatggg 240

acaattgcct acacagttaa atcaacaaca ttcctacaat cctgactgac taccttctcc 300

atctgtccag aatc 314

<210> 18617
<211> 310
<212> DNA
<213> Glycine max

<400> 18617

atgacgctct ccagcaacag gtacaatgcc ggatggagga atcatcccaa ccttagatgg 60

ttgaatcctt cacaacagca acagcaacaa cgaccttatt tacaaaatgt tgctggctta 120

agcagaccat actttcctcc accaatccaa cagcaacaac aacaacagca atagccccat 180

aaacaacaga cagttgaggc cactatgcaa ccttccattg aagaacttgt gaggcgaatg 240

actatgccaa acatgtagct tcaactagag accagagcct ccatatatag cttaactaat 300

tagatgggac 310

<210> 18618
<211> 360
<212> DNA
<213> Glycine max

[illegible]

ctatnctaat atttacatag ataagcgggc tcatacttag cccatgggcc caaaatctac 180

cctaatgctc atgagaaccc tacggccttc ccttggatct ctggcccaat atactcggag 240

tcttctatcc aattccctaa cgaggtagga ttacatcact atgcatgcat caactttgaa 300

taacacccac acggaaatgc tcctgcgtta ctcaaatttc tcaatttcag acacgttgat 360

<210> 18619
<211> 302
<212> DNA
<213> Glycine max

<400> 18619

agcttttatc atgggttatg gaccatttca agtgcttgaa agaatcaatg acaatgctta 60

caaagttgag ctgcccggtg agtataatgt tagctccacc ttcaatgtct ctgatttatc 120

tcttttttgat gcaaatggag aatccgattg atgacaaatc cttctcaaga gggagagaat 180

gatgaggaca tgaccaagag caatggcaag gatccacttg aatgacttgg aggacctatt 240

gatgatgaca tgaccaagag caagggcaag gatccactgg aaggacttgg aggacctatg 300

ac 302

<210> 18620
<211> 383
<212> DNA
<213> Glycine max

<400> 18620

tttcttgttt ctacacgtat gtatcagctc caatagatct ttcgctctcc atgctctgct 60

tgttgagaaa gaaaatcggt gttgcttacc aaggagacat cctttacaca cttcattgtt 120

gtccttttatg cttggaagat ctctcatcat gttcttctca tgtaacaact tcaaggcatg 180

tgtgttgaag tggccaaatc ttcgatgcca tagccatgaa tcatcaactt gtaccttcat 240

gccaatggtt ggtgcatatt taaatttaga gggaagcttc tattgctctt attcatcttt 300

acttgggcta tctcagacct ttctatttgt tgcctaagat ttgcatacac ctcctttaaa 360

<211>
<212> DNA
<213> Glycine max

<400> 18621

ttctttcac ccttaccgac aatggaaaaa gcttttaatg gaagtcaaga gcatgaaagt 60

gcactgatac [illegible]aactag tcaatatgtt cttgagcagg ttgaagacat ctatactata 120

[illegible]agaa [illegible]aaaaag acta[illegible] gcatatggaa gatgaggccg 180

[illegible] [illegible]cattgtat caatgttata 240

[illegible]atgtggaga caaatg[illegible] [illegible]t tca 293

<2
<21>

<223> unsure at all n lo...
<400> 18622

tactaagctt gatccacatg gcaccgtctt cctgatcgcc ctaatttttct tccaccaaca 60

agattattag tagcaaccaa catgacattc ttttcagctt ctatggcccc aaatggcatc 120

tccttcggcg taacctcact tcaagaatcc ttcacccctc acaagttaag tcctattcac 180

atgctcctgc aacgccttag atggttattt ggttgctact tatgccttcg tgaatttcat 240

ggtagctgag atcgggaggg acccaacagc ttgggatgat cctttggcct ttaagccaga 300

gaggttcatg aacaatggtg aacaaaatgg aggcacaaat tttgacataa tgggaagtaa 360

agagatcaag atgatgccgt ttggggcagg gaggagaatg tgtcctggct atgctttgng 420

aaatttgcac ttagag 436

<210> 18623

<211> 407
<212> DNA
<213> Glycine max

<400> 18623

aggttgatga aattttaaaa aaataagtac taactcaaat gattaatagt ttctatgatt 60

[illegible] 120

[illegible] 180

[illegible] 240

cagcagggaa gaaggcctcc aaatctccga tggccataat atccagtaat cagtcagaaa 300

agtgcttgaa tctttgatta tagagtaaac actcaccttg ttttcgtcag ctgctgtctc 360

tgctaaattt attatacaat tagattcatt cacataactc tagccttt 407

<210> 18624
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18624

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tcttaagaag ggggttgaat taagatatca caaactattc cctaattaaa aattctaatt 120

tgattttaac ccaaatccta agattccttt taaaatgaat tcctaaataa ttattcaaat 180

taaacttact gaatagaagc aataagcaat aataaataaa agagtttaag ggaagagaaa 240

gtgcaaactc agttttatac tagttcggcc acacccttgt gcatacgtcc agtccccatg 300

caacccgctt gagagttcca ctcaatcgca aaaacccttt acaagttctg aaccacacaa 360

ggacaaccct tcctttgtgt tcagatttct ttacaacaag agaccctcgg tctcttaatc 420

cctt 424

<210> 18625
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18625

gctgtgaata atagtcatgt tcataaagaa gagaaaaagg tttttattta tacatgtatg 60

taaaaggaaa tgtgtataga agaattcttg cgtgtaaatg atgtgtggaa aggaattctt 120

gtgtgtgtga gcaacgagtg tatatgaaga aacttttgtg tgaactataa gtgtgtgttg 180

aaaaaaatga aaaatcttta aatgtaaata gtttttgtat atagactata tgaatgaaag 240

aaaagaaaga aagaccgccg aggtcaacat gttatagtta aaaagtat 288

<210> 18626
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18626

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accccaaagg tgaagatggc tatagaccaa atattcttca taaggatcat ccaaatatct 120

atgttgcaaa gaggaaaaaa gttatcatgc gtgaatgcaa tcaagggaca atgaagctca 180

cacaatgcta cattcaagaa gattgtttca acaatggatt attaatgaat attgtatgat 240

tgagtctcaa aaactaaact atgttagaaa acatcaacag gaactcagag ttaacaagta 300

catgaattta aatgcatgta ataatgagcc cctaacccaa ggcaatgaan aaggtaagag 360

aattatacta ccaagctttt ttgctggtag ttagagatat atggaacaac tgtatttcga 420

t 421

<210> 18627
<211> 391
<212> DNA
<213> Glycine max

<400> 18627

tgtcttttct tgtttctctc cccatatgaa accaacattg ttcttgagca cttcattgag 60

aggtgctgcc aatgtgctaa aatacttcac aaatcgtcta taagaacttg ctaagccatg 120

aaaactcctc acctcggtca cagacttatg tgtaggccat tcttgaatag ccctaacctt 180

ctcctgatca acttgcactc ctttgaaact cacaacaaaa ccaagaaaca caacatgtgt 240

agtacaaaag atgcattttt caagattggc atacaatcgt tctttttctaa gcacagtcaa 300

gacagatttt aaatgatcaa tttgcaaatc aagcgaagtg ctatagataa gactatcatc 360

aaagtacacc acaacatact ttcctatgaa c 391

<210> [illegible]

<400> 18628

agtgtcatag tcatagcatt attgttagta tttcttatag cccataatgg ttcggataat 60

gttttcatgcc aacacctgtg tttcttttca acaaattttt tgatttaatt tacaataatc 120

ttgttagtgg cttctgcttg tttgttagct taggcataga aaggcataaa ataaaatgatt 180

tcatgccaaa ctattgagcg aatgccacta ccttgtcaca tgttgaaaata gtaccctggt 240

catccattat agcctctggt atcccaaatc tataggctat ttggttttgg atgaatttga 300

tgatgtcatt ttgagtaaca gagaccatca gttgtgcctc cacccacttc gtgaagtaat 360

gtgttgccac aataatataa ctatggcatt tagaagaact agggtggatt tt 412

<210> 18629
<211> 399
<212> DNA
<213> Glycine max

<400> 18629

agcttatgaa tttaaaattgg atatgttatg aatatatatg aaaatatcgt tcttttgcag 60

atacattcaa gttaaaggtc aagccaggga agacatacct tatgcgtttg atcaatgctg 120

cactcaatga cgaactcttc ttcagcattg caaatcacac cctcacagcg gttgatgtcg 180

atgcaattta tgctaagcca tgtgacactg acactattct cattgcccct ggacaaacct 240

gcaatgttct tctcaaaacc aaatctcact atcctaatgc cacatttttc atgagtgcta 300

taccatatgc gactggacaa ggtactttta acaactcaac tgtggctgct atccttgaat 360

atgaagttcc accacattgt gttcactcaa caacttcag 399

<210> 18630
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18630

gcttaaagaa aaataaaaaa agtaaccaaa tattgaccnn ataagttatt cagatgatcaa 60

ttttctattat agtaccaatg cctccaattg ctttcacaac agcttcactg ccccaagtac 240

ttaatctaca gtatacaagt tgtcctttca cctttttttgg ctctaaggag tcttcatagc 300

ataatctgtc aatgcattga aatggtactt tgttaatatg gaaagcttaa ctaggtgttg 360

tcaaataaac aaaaagaaaa ttacttagca ttntccttgc ttccaaattg tataatcatt 420

ccttatc 427

<210> 18631
<211> 439
<212> DNA
<213> Glycine max

<400> 18631

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attgagtacc ttgagacctt ctctcctgat gagaaaattg agacaattcc agctattctt 120

gcttaagact gcatcaattg ctggaaactt cagctacttg atgttaacaa tgcattcctt 180

catggaatcg catctgagga agtctacatg gtccctcccg ctggcgtcaa tgagtcacat 240

ccatctcaat gttgcaaact ccttaagtct ttgtatggcc tcatacaagc caatcgagca 300

tggtatgaaa aatatccccc ttttctcttg tcttgtggat atcatccagc tcatgccgat 360

catagcctgt tcatcaaaac taatcagtcc aactctatag actttatata tttattgttg 420

gcggcattgt gctaactag 439

<210> 18632
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18632

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cngccgcact caccacggnc actacgagca ccgggggang ccatncgggc tctgcaacgc 120

accgtcaatg tttcaagctg ccatgaacaa ccttctcagc cctttcctgc ggaagttcgc 180

[illegible] 300

[illegible] 420

<210> 18633
<211> [illegible]3
<212> [illegible]A
<213> Glycine max

<220>

[illegible]taga caagtggcct tagaaatctt aagaagtgtt gggtgggttg aattaagatt 60

ntacaaaaca [illegible]aaaattcta ctttgatctt aatgcaagtt ccaagttccc 120

[illegible]tcaa attaaacaat ctgaatgtaa atgttaagaa 180

[illegible]aaggagtttta agggaagaga aagtgcaaac acagttttta tgctggttcg 240

gcaaagttcg ttgcctacgt ctagtcccca agaaacccac ttgggagttc cactatctcg 300

canatccttt acactttctg aaacacacaa ggaaaaccct ttctttgtgt tcagatactt 360

tataacaaga gactttcagt ctcttagccc tttgattaga aagagaagaa gaagaagaag 420

atg 423

<210> 18634
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18634

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ttttcctctt tttaaaagaa caagaaaaat acagaggaag ggaatccctg gaggaaacca 120

ggaagaacaa aaaactcaga attgaaagaa catgcaatgg tcctcttgat tacccctatat 180

ttcaagcgta atatcgttta actacatcgg agttcacggg cgagggcaat tcctcgccat 240

ccatgtgggt gagtatcaaa gcacccccag aaaaggctct tttcaccatg aaaggtcctt 300

cataatttgg ggcccacttg cctcgtttat ctttaacagc gtgggacatc ttcttcaaca 360

<210> 18635
<211> 233
<212> DNA
<213> Glycine max

<400> 18635

tgctttttga acgcatactg tggatacaac tagatccgga cgaacgctcc agatgaggag 60

aaaatggaat tcatcactga agacgctaac ttttgataca gggtcatgcc cttacgccta 120

aaaaatgtag gcgctacata ccagagattg atggaccaga ttttcaaaca atagatggta 180

caataagttg aggtctacat tgacgacatg gtggtcaaat cccatagcat acc 233

<210> 18636
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18636

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gtaaaaagtt attatcgttt gattaggcta agagcttgtg ttttgaattt cgagcgtctt 120

gatatattac aggactcaat cagaaatccg atttaaatgg tattcattcg gacatccgag 180

taaaaagtta ttgtcctttg aatttgctac gagcttccgg tttcaattac ctgcatctcg 240

atatactatg agacacaatc ggacattcga gtaaaaagat atcatcgttt gaatntgctc 300

agagccttcg ttgtcaattt cgagcgtctc gatatattac gggattcatt cagacatccg 360

agtagaaagt tattgtcatt tgagtttgct catagcttct at 402

<210> 18637
<211> 413
<212> DNA

<213> Glycine max

<400> 18637

agcttccatc attagtccac ctcctttttgc aacagattgg atagtggaag ggccactttg 60

ctaaaatcct tgataaaacg ccttataaaac ccttcattac caagaaaaaa acaaaccttt 120

agactatcca aacatgtatc aaaagaggat tcataaacag taaaatcata ctataaacac 300

tgtatgcaac tctctaaaaa atcattgaaa atgctaagca tacaccgctg gaaggtacca 360

gggggcgttgc attggccaaa gggcatcctc ctatagacaa aagtgccaaa ggg 413

<210> 18638
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18638

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gatatgcatg tatataacaa acatacctca caaaatatat atatgtatgt ttaggtagca 120

agataccttg gatatgcatg tatatagcaa aaatatctca caaaacatat atatgtatgt 180

ttaggtagca agataccttg gatatgcatg tatatagcaa aaatatctca caacatatat 240

atatgtatgt ttaggtagca agataccttg gacacacatg tatatagcaa aatacctcac 300

aaaaatatac atatgtttag gtagcaaaat acctcatgga aaaagaaaaa gagataaaaa 360

agaaaaaaaa ataataataa gttgtctagc taaaaaaaca acatgcttgt gaaaagagat 420

aact 424

<210> 18639
<211> 393
<212> DNA
<213> Glycine max

<400> 18639

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gtacctgtct tccatttaac atgctcagtg taagtaacaa agtaccgcag accatcctg 120

agaaagttct taaagactct acgagccaaa caacgaatcc cgagtttcgt aatgttctgc 180

atgttgtcgc acaacaccac cttgtgcccc ttggctcctc ccctgcatcc ctcccatgac 240

caccgtatcg gccgctgtca cctccaccac caccaccgaa gccatcgcct ccaccaccac 300

[illegible]

<210> 18640
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18640

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aagttgaaag ccttggaggg aagaggtatg cctatgttgt tgtggatgat ttctccagat 120

ttacctgngt aaactttatc agagagaaat cagaaacctt tgaagtattc aaagagttga 180

gtctaagact tcaaagagag aaagactgtg tcatcaagag aatcaggagt gaccatggca 240

gagaatttga aaacagcagg ttcactgaat tctgcacatc tgaaggcatc actcatgagt 300

tctctgcagc cattacacca caacagaatg ggatagttga gaggaaaaac aggaccttgc 360

aagaggctgc tcgggtcatg cttcatgcca aagaacttcc ctataatctc tgggctgaag 420

<210> 18641
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18641

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acaggcttct tttggttggg atgtgtgctc tatctcgcaa gattgcatgg tcactagcag 120

tcatattctc aatcaattcc atggcttctt caggggtctt caatttttatt tttccccctg 180

tagaagcatc taaaagttgc taggattgtg gccttaaccc gtcaatgaaa atatggagct 240

ntattggctt tgaaaatcca tgagtaggcg tcttttttag taacccacga aatctttcca 300

aaggctcact caaggactcg tctagaaatt gatgaaaggg tgagatgaca gctcttcctt 360

cagcagtctt ggactctggg aagtatntct tcaagaaatt ttcaaccact tcat 414

<210> 18642
<211> 430
<212> DNA
<213> Glycine max

<400> 18642

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cttttggatc acaatgataa acttctctgc ccatccaatc cgtatcaaac agaaagaagg 180

gaaaccatga caactgcagg tagacaggat tgaaatgaac ataagaagga tttcaaatgg 240

gaagcaccaa cactaggcta atagcattca caacacaacc gactttgaaaa cacaaatatc 300

aacagaaacc tttgcaaata aatactagta catacccaag tgagagccat tacaaccagg 360

acagaatgca tagcaggtgg caaatgcctt aaacttgtca acaagtttac caatactgct 420

ccaggcccat 430

<210> 18643
<211> 396
<212> DNA
<213> Glycine max

<400> 18643

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gacctccaat ctttaatgga gagggttacc actactggaa aacccgaatg aaaatttttа 120

ttgaggcaat agacttaaat atttgggaag ccatagaaat agggccttat atacccacca 180

cagtagaaag aatcacaata gatgggagca caacaagtga aagcataaca atagaaaaac 240

ctagagatag atggtctgaa gaggatggaa gacgagtaca atacaattta aaagccaaaa 300

acataattac atctccctgt ggaacggatg aatatttcag ggtttcaaat tgtaagagtg 360

ctaaggaaat gtgggacact ctacaattaa cacatg 396

<210> 18644
<211> 355
<212> DNA

<213> Glycine max

<400> 18644

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gactatagca tcatatttgg cgctaaactg ttttgatttg gaatccatct tctcaattaa 120

ctggtggtga aggcaactgg tgcataattt tttaaatctc tcccaatatt catatgggct 300

ttctccactg agttgcctaa tgcctaaaat atcctttctg atggccgcgg tccta 355

<210> 18645
<211> 403
<212> DNA
<213> Glycine max

<400> 18645

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ccaaaatgga cggccttggg gcaaccctca caatctcgcc gcctttaggt tccttaactc 120

gagcctcggc tttaatgatt agttctgaat ttgagcttgc tccacattta attataaatg 180

gtgaggtatt acccgtattg aattgaagga cgttccactg tgccacatca gttccagatc 240

cagagcctgt atccgttgat ggcttgcgag aatgtgatag attctgaatg cggtcatctt 300

cttcaggaat tgactgcatc ataaaagagg gattaggaat cccaaaactc aattaaggtc 360

acgctcagac acagattcag atgccagaaa tgctgagaca gga 403

<210> 18646
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18646

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gaagaagttt aatttattttg atgtgaaaca tgtgtctact tcttatgact catccatcaa 120

gttaaagaaa aatttgagta aaggaatttc ttcacataaa tactctcaaa ttattgattc 180

ttttgttgcat ttgacaaact tctataggcc tgacattgca tatgtagttg gtagattaga 240

aaggtatact aataattctg atcattctca ttggattaca ttagaaagag tttttagata 300

cttaaaagga atcattaatt atggcattca ttatacatgt tttcctgcag taattgaagg 360

gtttagcgat gcanattgga tttctaattc tgatg 395

<400> 18647

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gaggatgaag atgagctggt agataatgat tctgaagaat ctgaggagta taagttcttt 120

gaaaaagtgt ttgcagaaga tggtgacctt aggagatatt atgagaacaa tcacaaggaa 180

ggagattttt attgtttggt ttgtgggggt attgggaaga aggtatggaa gaggtttaag 240

gattgtattg gactaattca gcactccact gccatattaa ggacaagaag gaagcgagct 300

cacagagcct atgcacaagt catctgcaaa gttgtaggtt gggatatcga tcaaatgcca 360

gctattgtgt taaaggattt ggattcctca ttggctggtt caaagaagct tttcgtga 418

<210> 18648
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18648

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caggtactct acctagatag ccaatgttgt catggtcaaa aaagccattg gcaaacggcg 120

tatgtgcatt gactacacca acctcaacaa agtgtgcacc aaggacacat atgctttgcc 180

cagcatcgac aggctactcg actacgtgcc tgtgttccaa gtactgagtt ttcttgatgt 240

ctatttagga tacaaccaaa tcagaatgca cacccagac aagagaacac aacattctta 300

actgaagatg ataatttttg ctgtagggtc atgccctttg gcctgatctt canacaacag 360

atagaccata atcttgaggt ttatgtgaat gatatg 396

<210> 18649

<211> 450
<212> DNA
<213> Glycine max

<400> 18649

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

gcaacaagca actgaggctc ctcctcaacc ttccttagaa gaattagtga ggcaaatgac 300

tgaaattctg atactgagga cagatgtcgt acaggatgtc acgacatcgc gcttcagaac 360

atgcagaatg tatatgacag tatgaacaga ttaaacaagt aaataacaca agagaattgt 420

aacccagttc ggtgaacgtc cctacatctg 450

<210> 18650
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18650

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tatctgttat nttttcatca gttccaatat cagattttgc attccttgtc catcgtttca 120

aaatgtagtg cgatggaagg gtaagaacat ttgtaacagt gaagacagtc aatatatgtc 180

aacaaagaac gcctgagtat tcaaacatct ggcagctgca attcaccttc atttcagaga 240

tatttaatgt gaccatgtat gccttgtgat catgtacata ttttgcaacc ctgtatttac 300

tgatcacacc atcatcctca acattatttg cagtataagc aaaagtttcc accagttcct 360

cctgagattc tgcaaaaatc ttcttagtgt acatatttgc tgcttgttgt tccattggtg 420

atggagtctt cagtacaggt gtgttacaaa tagtctcata atct 464

<210> 18651
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18651

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tcacaagttc ttcaagggaa ggttgcgaag gagcctcaac tgttttgctgt ttctgggggct 120

[illegible] 180

[illegible] 240

gtctattgta gatgtttgca gcataagctt caagctgttc aattgcttca gattgttgca 300

cagaagggca aaggtctgtg tggtggtctg c 391

<210> 18652
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18652

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ggggggggtt gaattaagat attccaaact gtttccccta attaaaaatc tatttcactt 120

tttactcaag ttatgaattc ccaatgacaa tcttcttaaa tattaattca aatgaaacaa 180

tttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag aaaatgcaaa 240

ctcagtttta tactgattcg gccacaccct tgtgcctacg tccagtcccc aagcaacccg 300

cttgagagtt ccactatctt gtaaattcct tttacaattt ctaaacacac aaggacaatc 360

cttcctttgt gtttagagat cctttacaac aagagactca cagtctctta atcccttana 420

gaatgagaag aagaagaaga acaaatctc 449

<210> 18653
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18653

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gctaggctat aaataaaaac atgtgtaaca cttgtcataa ctttaatgaa tgagaaaaac 120

gtgagacaca cttcaaagtt caacttctct ccctaatctc cttcaattcc catcccctc 180

tctctctctc attctcttcc tccattgaag cttcctttct aagcttctta tccaaggcat 240

tctcttggtg grgaatgatg caatcctacc cccccaaggg cattgtatag aggactccaa 300

gaagattgag ctagagatac aagacaaggc cataaggttc tcgtgagcct tatgttagac 360

<210> 18654
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18654

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atggcgcctn ctctcacctc ttctnctttg tcttccactg catctccatg gtggaaaatc 120

accattaaag gacctcattg aagctcaaag atccaacctc catagaagcc ccacaagcaa 180

acttccatca tattcctcca cccgggattg tatctattgc tggagaggtc ataattgttc 240

tggtggtgga ttttgctgct gagtttgagg aggtctattg tagatgtttg cagcataagc 300

tt 302

<210> 18655
<211> 405
<212> DNA
<213> Glycine max

<400> 18655

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aatctgcatc tgcatctatt actgttgcaa gagtctgtgg tctatgttct tttgttgatc 120

acatacaga tctctgtcct tctttgcagc aatttggagt caatgagcaa cctgaagcct 180

atgctgcaaa catttataat agatccgctc agcagcaaaa ccaacaatag tagaataatt 240

atgatctttc aagcaacaga tacaattcat gttguaggaa tcatccaaat ctgagatggg 300

caaatcctcc acagcaacaa cagcctgtcc ctccctgcta gaatactact ggtccaagca 360

ggccatatgt tcctcctcca atgcagcagc aacaacaaag acaac 405

<210> 18656
<211> 459
<212> DNA
<213> Glycine max

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aggaagtacc tttaggatac cacataagca aacacttacc atgatatcca atctacttgc 180

aatttaagca agaagtgatt caatcatacc tttgtatctt gaatgatgca ctaatttacc 240

tttctcatca aaggcaaggt atgttgatgt agacatanga gcatatgctt ctttgcattt 300

cttcatacca aattttcttta tcggntttat gcaatatctg gtttgactga agaaagttcc 360

atgtttcaat cgcttgactc tgagtcctat taaagaaatct aattctccca tcatagactt 420

ctcaaagtct ttcagcatac aacatgacca ttccttgca 459

<210> 18657
<211> 409
<212> DNA
<213> Glycine max

<400> 18657

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atcgtgtcta caacttgcaa actaagaaac tcgtcatcag tagagatgtt gaagttgatg 120

agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt atacccgctc 180

aactacctca agaagaagct gaggaagaag acccaggtga accaccttca cctccaccac 240

aacaacaaga tcaagaacta tcatcaccag agtctactcc aagacgaggt atcttcctttt 300

ggtggacata tatgaaacct gtaacttggc catacttgaa cttggaagct ttgaggaagc 360

gtcaaagtag gaagtatggg tcaaggcaat ggaagaagag atacaaatg 409

<210> 18658
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18658

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acaatagcat cacttctuuc actaaattac tggtagtttu aaggccatctt ctcaattaaa 120

tctccactga gtngcctaat tcctgaaata tcatttttga t 341

<210> 18659
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18659

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aaaaaagtcc ttattacaaa gacaactcag aatgccccga aatacaaggc taaaacccta 180

tactactaga atggccaaaa tacacggcct agacgaagga naaacctatt ctaatattta 240

caaagataag cgggctcata cttagcccat gggctcgaaa tctaccctaa ggctcatgag 300

aacoctaggg cctttccttg gatctctagc ccaatctact tggagtcttc tagccaatgc 360

cctngcgggg taggattgca tcacgagttg cttcaaggat ttccttggtc ttgtctttgg 420

atgcctgttc caagtctatg 440

<210> 18660
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18660

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atgcctgtaat tctttgaatg gatgggtatc accigtacat cagttcatat ggttcactga 180

tgaaatggat tcattcaact ctacttaatt taaaataaat aaatagaact cattgataaa 240

cattgttata taataatatt ntatcactca aagaagataa tcaattctca tcataatcat 300

ttttatcaaa aataatataa tcctctgaat taattatcac aatacgatag attttgaaaa 360

<210> 18661
<211> 462
<212> DNA
<213> Glycine max

<400> 18661

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tattgttatt attgttttct ccgtcattga ggtgccactt gagctgccaa gtctctccac 120

ctttgggcgt attcttttga aagattcgtg ccccccttt gcacatgttc tgtagttgca 180

tcctatctga agacattata ctgacactgc ctaacgaagg caaccactag gtccttccaa 240

gaatggactc gggaaggttc caagttagtg taccaggtaa cagctacccc agtaagactt 300

tcttggaagg aatgtataag caattcctca tcttttgcgt atgcctccat cttctgataa 360

tacatctttа gatggttctt ggggcaagta gtccacttgt acttgtcaaa gtccagcacc 420

ttgaatttgg gaggggtgat gatattgggt actacgaaca ac 462

<210> 18662
<211> 399
<212> DNA
<213> Glycine max

<400> 18662

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taaaaagtta ttgtcgtttg aatttgctca gagcttcgat aatcaattcc gagcatctcg 120

atatatttacg ggactcagtc agacaaccga gtgaaaagtt attgtcgttt gaatttgctc 180

agagcttggg tattcaattt ccagcgtctc gacatattac ggtactcaat cagacatctg 240

agtaaaaaat taatgtcgtt ttagtttttt tagagcttcg gtatttaatt tcgagcctct 300

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ctcagagctt caacattaaa tttcgagtgt tccgatata 399

<210> 18663
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18663

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atctagacgc tcgaactgga atactgaagc tctgagataa ttcaaacgac aataactttt 120

taactctgatg tctgattcag tcccgtaata tatcgaaacg ctcgatattg aatgttgaag 180

gtctgagcaa cttcaaacta cagtaacttt ttactcggat gtctgattca gtcccgtaat 240

atatcgaaac gctcgatatt gaatgttgaa gctctgagca aattcaaacg acaataactt 300

tttactcgga tgtctgattg cagtcccgtaa tatatcgaga cgctcgaact ggaatactga 360

agctctgagc aaaattcaaac gacaataact ctttactctg atgtctgatt cagctccgta 420

atatatcgaa acgctcgata 440

<210> 18664
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18664

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ttgccaactt tgagtatgat gtctcaaaag ctgaggtttg acgatgaggt cgaagtttga 120

ccaacaccca gtcccccgatg ttaaactctt gaggtcgtct ttgtgcgtct gctgtctact 180

tcatcttctg ctgtgccctg agcagtttcc gactgagcag cttcaaaacc tcgtcgcgtt 240

ggttgagcac ctcatccacc gtgttgatag acgatgtccc cccccaaatat tccggaatag 300

caggtggttt ccgaccgtag atgatcttga acggngtgat ccttgtgcct gagtggcatg 360

aagagttgta tgaccactca acccataaca ggaattgccc ccacg 405

<210> 18665
<211> 410

<212> DNA
<213> Glycine max

<400> 18665

gcatgtgcac gctttcaagc tattatcgaa gttcaacatt aaatttagaa gtgtttacat 60

[illegible]

[illegible] 241

attaaatatg agaatctcat tattctatat 300

gtatctgtgg agtcttattt ctaaaacggt ggaattaatt cacataaatt tcaagagagt 360

tggt[illegible]ttgtggt gtgatttgac tcgatattta 410

[illegible]

[illegible]
433
<212> DNA
<213> [illegible]

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tgtggttttc caatctagct tacattctgc aaagttagaa tatgaaaatc caattaaact 120

caaggaggta cctttggggt accttaaacc aacattggtt gtgcccttaa ggtacttaat 180

aatcctttg acaacattta aatggtattc cttgggattt tatttatatc tttcacatat 240

gcacacactt agcatgatgt caagttggct tgtagtcaaa tataggagat aaccaatcat 300

acctctatac tttgactcat ctaccgattt acctttttca tccaagtcaa gataaatgga 360

tgttgccatt ggtattgttt cttccttaca ctnttccata ttg 403

<210> 18667
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18667

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aacgatttttc aattctatca aattagtcca atagaaatat attaatattt aagtctaata 120

aaaaattatt gacattttca tccaataata ataatttatt aacatttttt gtccaataga 180

acttactcat atctaagtca aaacaatgag tgacatttcc ctcgaataag aaatatattg 240

acatttccgt ttaacaaaaa ttattgatat ttacgtccaa aaatgatatc ttattgatan 300

[illegible] 360

[illegible] 420

ttatcacact tcttatat 438

<210> 18668
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18668

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attcttcctc cattattatc ttgtgcatat agtaggcagg ctgattcctt ttagatctaa 120

tatgtgccac ccaattgcct ccttctgtct cttgaggaac tctatcaacc tatttcttct 180

tctgttgtaa gcttactatt gatcaccaca ggcttggtct tgttctcttc caagaacata 240

cttcaggtgg ttaggtaaga tctttagctc caccttggtc ttctcaggtg gacttccgct 300

tttcaattct tcaaaaactgg tccccccctgc aggcatattt tcttcacaat ctaagccttc 360

caagcaagcc cataaattct tcttctcttc actggttaga caatctacaa cattggtcaa 420

agcnttctcc agtaaagttt atg 443

<210> 18669
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18669

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tcacattgct acaactccct ccatcattga tcatcatgca aactttgcca ttgatcaaac 120

atctagtgtg gaaaatgttt tctctttgac tttcctccat agacttcaat tgatggccaa 180

gtaatcatca acaattctcc ctctggtgtt ttctccactt cctcctcctc atcctcactc 240

tcttctccct tttcaacttt ggactcacta atgtactctc cgtctctaag aatcatggat 300

ttcttgatag ggcactcata tgcataatgt cccaagccgt ggcaccgaaa gcacttgaca 360

tcccgacant ttttntagga ttgttcttgg acatttggag gagrttnttga tggtatangt 420

[illegible]

<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18670

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acggcacact gctggagaaa tcgctataag agatcacggg ccaattttaa ttgaggtgca 120

atcagctccc ttcatgcgta agacgatcat tgcctgatgc cacatcattt taatgttcac 180

cgagctgatg ctaatggcta tataaccttc aggctctcac tcatgcagtc ggacatcact 240

ctacatctga tgagtaaact aagtaccggg gaactgatga gatcgaatat tggaatatgg 300

caaggaatcc agtgaatacg gccaaaagac gggtagaaag gaatggttcg gggagtgaca 360

aggatgaa 368

<210> 18671
<211> 393
<212> DNA
<213> Glycine max

<400> 18671

cctcattgca gtcatttcac acaacataac ccacatgaca taagattaag acatggtgtg 60

aaggaactta ccgtacgttt gagcaatcct ataatttctt gatcttgcca aagccttatg 120

tcaacaatat tagcaagcaa atcaacctgc atcaaaatgt gggattgttc attgggatgc 180

tgacttggct tcctcttaat ttcttcttcc tttacgattg agaggataat aatcttagac 240

attacacaat aataatatat agatcaatta aaataagcat catatctatt tcacacttct 300

taatattaca cctataaagt cacatcaacg tcttcattac cttgtctcga cttttcattg 360

aacctttcct ctaatatacn caccgacacc tct 393

<210> 18672
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18672

taatggagtg ggttaccact actggaaaac ccgcatgcaa atctttatag aggcaataga 120

tttaaatatt tgggaagcca tagaacaagg accttatgtt ccctctataa tagccggaag 180

tgcaacaata gaaaaaccta gagncaaatg gactgaggaa gaaagaagat tagtacaata 240

taatttaaag gccaaaaata ttattacatc tgccttaggt atagatgaat actttatggt 300

ttcaaattgt aaaagtgcta aggatatgtg ggatacacta caagtaacac atgaaggcac 360

aacagatgtt aaaagatcta ggataaacac tntaacgcgt gagtatgaac tntntangat 420

gaatgtaaat gaaagtatac aagacatgca a 451

<210> 18673
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18673

agctttggtc tagtttttct aaagcaaagg tttgttcatt ttgtgtgtat caagattact 60

atccattcaa tatataatca cttcttgatt aggggtttct ttctaaatga aggttacacg 120

gtaaaggaaa agtattgaat tataactccc gaaaaaataa taatacaata cttctgacct 180

ttaatttttaa cacattcata attattagat ttttagaaca gttatttcaa aagtcaataa 240

tcatttatcc ttttggtata tttagattaa aaagaaaagg tattataaag attntacaca 300

atcattaatc actatatgat aatttcaaag acttttaaaa tatttatctt anaataagtt 360

aaaggatgat ttgtgattag atgataatat aatcag 396

<210> 18674
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18674

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attcttcctc cattattatc ttgtgcatat agtangcagg ctgattcctt ttagatcttaa 120

[illegible] 180

[illegible] 240

cttcagggtgg ttaggtaaga tctttagctc cagcttggtc ttctcaggtg gacttccgct 300

nttcaattct tcaaaaactgg tccccccctgc aggcatattt tcttcacaat ctaagccttc 360

caagcaagcc cataaatttct tctttctcttc actggttaga caatctacaa cattggtcaa 420

agcttt 426

<210> 18675
<211> 453
<212> DNA
<213> Glycine max

<400> 18675

gtttaagtga aaggatatga ctcttcacat ttgtttttga atttctttat tcaacggcac 60

tagtaattga ttaccaaaac attgtaatcg actatagctt tttgaaaata attggaacgt 120

tgtaaattca gtttgaaaac tttttcaaac tcatttgct actggtaatc gattacaaca 180

atatggtaat cgattaccag agagtaaaaa ctctttggta aaaggttatg tcaaaaattc 240

atgtgctatg caaagtgtta gtgcttggct ctactgagtt ttaaaagaat ggctaaaatt 300

ctgttaaaac ataagcactt agacaatgaa tgaaagctgg agttgctgca catgatgtct 360

aacattatgt caaggaatca gatcgggctg cacaatgcac aatgcacgat ataatgtcat 420

atgaagaatt gaagctgcaa gatccacgat gtc 453

<210> 18676
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18676

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atgagttcaa taatcaaatg tgataaaatt gctgagcata actataaatg ttattcaatc 120

tatcatgtta tcacttttag taaataatta ttctttattt tattatcata tttattattt 180

tattaaatcg ttaattcgac aagtctttga ttaaattata ggcttgttat catgaagaga 240

ttatgataat [illegible] 300

[illegible] 360

ttataattaa agcgacttaa ttgagaattc ctaat 455

<210> 18677
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18677

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tacagccatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga agctgctang gtcatgcttc at 392

<210> 18678
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18678

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tgggaccat ctagagtgaa aactcatggt ggaagctcat actttctcac catcatagat 120

gatttctcaa gaagagtatg gccgtatgtc ttgaaaatac aatcagaatc tttttccaaa 180

ttcagagaat ggcatactct tattgaaaat caacttggta caaaattaaa agttntaagg 240

attgacaatg gcctggagtt ngtttcagag caattcaatg agttntgcag gaaagtatgt 300

atcataaggc acaaaacagt ccctcacaca ccacagcaga atggattagc ataaagaatg 360

aata 364

<223> unsure at all n locations
<400> 18679

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gtgttcttga aagagaacaa tgcaaaacct gtggtgattt gcaatgattt atcttctaat 120

gaagagtcta ggtgggtcga agtgctcaaa aagcacaagg cagtcattgg gtggcacatt 180

ttggacctca agggaattag cctttcttat tgcatgcata aaattatgat ggaagctgac 240

tataagtcgg tgagacaacc acaaagaagg cataatcctt cgatgaaaaa agaggtgcac 300

aaggaagtcc ttaaactcct agaagtaggg cttacctatc ctatcttaga cagtgcttgg 360

gtgagttcag tgcaagtggt tcccaagaag ggtgggatga ctntggtgag aaatgagaaa 420

aatgacctca ttccaatccg aactgtcatg ggatggagaa tgtgcataga atatcgg 477

<210> 18680
<211> 403
<212> DNA
<213> Glycine max

<400> 18680

agcttgtgca ttcaatatcc tgatgatggt gttccatatg ttctcaagac tggactaata 60

catttgcagc ccaagtttca tggtcttgca ggtgaagatc cttataagca tcttaaggag 120

ttccatattg tttgtttcac catgaagccc cctgatattc aagaagatca tatctttcta 180

aaggcttttc ctcattctct ggaaggagtg gcaaaagatt ggctatacta ccttgctccc 240

aggtctattt tcagttggga tgaccttaag agggtgttct tggagaaatt cttccctgca 300

tataggacca ctgccatcag aaaagacatt tcaggcatca ggcaacttgg tggagaaaga 360

ttgtatgagt attgggaaag attcaagaaa ttgtgtgcaa gct 403

<210> 18681
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18681

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aaaataattc catgaatcga actaatctaa atctttgata tattaggaac taatcatttt 240

aggtctcttc antttttctc ttatttttcc actactacaa aatatagact taacatcgca 300

tgattaacat cggtttttca aaaaatcgat gttaaaaaaa gcacagtaac atttttgtaa 360

ataagttgag ttggttaaca ttggttnttt aaaaaccgat gttaaca 407

<210> 18682
<211> 395
<212> DNA
<213> Glycine max

<400> 18682

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tgcggaaagt gaaggactcg gacctaggga aggtcttggg ggataattgg attacgaaac 120

gccgtggtca gatacgccag tatgctacag ggtatctcag agcctcttgg agcagggcct 180

tatcttgttt gaaggatgaa gggattggag ggagctccaa taatgcatca aagatggctt 240

tgaaggagag gttcaagagt ttcaatgctt gttttgaaga aatttacagg gttcagacag 300

cttggaaggt accggatgac cagcttcggg aggagctgcg gatatctata tcagaaaagg 360

tgattcctgc ataccgctcg tttgtgggaa gattt 395

<210> 18683
<211> 451
<212> DNA
<213> Glycine max

<400> 18683

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tagtagacgt acatgtgtga tattataaag atggaaagcc tacactaccc ttctaaatct 120

acccaaagt aacttttaa taaaaatatt cattctttat tgtaatatta ttttttaatt 180

aatagtatta caaatagttg cattgtttca ttgaacatga tatacgtcct ggacgaggat 240

aaatgcaatg catatatgaa tttaacctac acttatttt aagttgtcaa tcaaaaatcc 300

tatatatata tactatttc tattactctt t 451

<210> 18684
<211> 398
<212> DNA
<213> Glycine max

<400> 18684

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tgttcctcaa aagccttgaa atttcaaaac atgctttaag acaggtgaaa tgaagggcag 120

ccatgattca gaagtgaaat agccacaaag gaatcagatt ccaacatgaa ttgcttgaat 180

cttctactcc gtgcaatttc aattccaagc atgatagcct cgagttctgc agttacaact 240

aaacaatagc atacatcaat aacaaaagag aagttcgctt tgccattata atccttgaga 300

actccaccaa caatggcctt cttcgtgtct ctattgattg aaccattaat attgagtttg 360

aactagccat ttgaaggctt gctccaacta atgctttt 398

<210> 18685
<211> 447
<212> DNA
<213> Glycine max

<400> 18685

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gtttgtgcaa tgaagatatg gcttggcacc actcgtttcc aattgcagat accttgacac 120

catctagata caattctgcc agttttgtga ggttttgcaa gagtgtacct atatttggct 180

tttcaagttt tagagtatgt tgcgaggtaa atgatgtaga caagtcaaga gtagatagct 240

tggttagatg agcaatctca attggaattt gcccttgaaa cccagcattt aacaagttca 300

aatacctcaa attctttagc aagccaaact ttgaaggaat catcgaagaa tggatgtcat 360

tgtgtgccaa attcaaactt tgcaaatatt gtaggttgaa gagacttgaa ttgtccaagc 420

cttcactgat aaattcttca ctcaagt 447

<223> unsure at all n locations
<400> 18686

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ctcgaagcat catttctgat agagatcctg tgttcttaag ctccttctag cgagagcttt 120

tttgacttag tggcacccat ttacgtatga gcacgatgta tcacccacag accaacggcc 180

agatcgaagt gatggaccat gtgttagaac aatacctacg ttcatttgtt catttccaac 240

cggcaagttg gttccgttac ctagccttag cagaatagtc gtataatact tccctttatt 300

ccagttcagg ctntactccg ttcgaggcaa tatacggcaa gccaccacca gtgttgcccc 360

attatcttcc tggaatgacc aacaacgagg cggttgaatc actggtaaag ctctgataga 420

agatccatgc aaagcttcaa tg 442

<210> 18687
<211> 386
<212> DNA
<213> Glycine max

<400> 18687

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ttggtctaat tggattctat cgacaatttg tccagaatta tgcccacatc gcagagccac 120

tcactcgcct attgcgaaaa gaacaatttg agtggtctcc cgaggcacaa ttagccttcg 180

acgatttgaa aatagccatg acaaccactc ctgtcctctc cctcccagac ttcacgattc 240

cctttgtagt ggaaaccgat gcctcaggga caggcatggg tgtcattttg atgcagcgca 300

gccatccaat tgcctacttc agtaagccat tctatcccaa attgcttcgt tcttctacat 360

acatcttgcg gttgcacgcc ataacc 386

<210> 18688
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18688

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ttcaactaca ccatatggtc atgtaatgga ggggtctact agttgaagag tcattatagt 240

gggagctatc ctcgggttct caatttcccg acacatagaa agaggcataa aattgatgct 300

cgccaccaga tcaatgagag ctttacccac tgacacagtc ccaataaagc atgggatgat 360

catacttcct gngtcttttga acttctgtgg tagaattcta tggattcacaa aactacaatt 420

tcctttcacc ataatgctct cattg 445

<210> 18689
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18689

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ttatttttca ttaaatataa ccatgtaaac ctagaactat catcaacaat agtcaaaaag 120

taatgttttc catcatgagt agcatgttga tatgggcccc acgtgtctac atgtatgaga 180

tcaaatgggg actcaaaata atggttattt gaaataaaag agagccttct anatatggac 240

aggggcaga tcatgcaatc tttagaacta tgagatgtca aatgcaatga atttttattt 300

gcaaaaaagtt ttaaaatctt gtcagataca tgtcccaaat gggaatgcca caaagattgt 360

tcactaagaa cattacaact tgtaactaca ttattancaa ttgaagaatg tgaattcaca 420

a 421

<210> 18690
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18690

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ggcattgaag attgatcac ttcaacattc aagctttgat gttgctgcat caaaatgatg 120

gttaatccac actaacattt gtggaccaat gaggacatcg tcac.....a acaac ta 300

ttcatcctc tttattgatg attttctag aatgacttgg tctacttctt tatagaaaaa 360

tcaaaggtct ctggaatgtt caagaatttc aaagctcttg ttgagaaaca aagcacgaaa 420

ca. ..... ia 480

485

<210>
<211>
<212>
Glycine max

<223> unsure at all n locations
<400> 18691

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tataggccac tgggccaatg cgcgccgtta tctgaaaggg tccataaaac cgcttggcta 120

gctaggaata tgtcggagcc agcgacgtct gccggtatgg tcggaagcgg acgtgtaccc 180

atacacccac ctcataagat atatcgcggc ggtgtttatc ggcagcaacc ttcatgagtt 240

cctgcgctcg ttgaaggcgg cgcgtcaatt gcgcgtgtac ttgcagacgc gtggtgagta 300

gcgagtcaac ggcatcattc gacgattgac cttggagata g 341

<210> 18692
<211> 302
<212> DNA
<213> Glycine max

<400> 18692

ctggaactac ttattttgtt ttcatggcgc ctatgcaggg tgaaagcctt ggaggaaaga 60

ggtctgccta tgttgttgtg gatgatttct ccacatttac ctacgtctac tctatctgag 120

agaaaccaga atcctttgat gtattcaaag agctgagtct cagacttcaa acacaacagg 180

actgtgtcat caagagaatc aggagtgacc atggcagata gttctaacac agcaggttca 240

ctgaattctg cacatctgat ggcatcactc atgatttctc tgctgccatt acaccacaac 300

<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18693

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gtaaaaagtt attgtcgttt taattggctc agaggttcaa cattaaattt cgagcgtctc 120

gctatattac gggactcaat caaacatccg agtaaaaagt tattgtcgtt tgaattggct 180

caaggcttca acattcaatt ttgagcgtct cgatatatga cgagactcaa tcagacatcc 240

gagtaaaaag ttattgtcgt ttgcatttgc tcagaggttc aacattgaat ttcgagcgtc 300

ncgatatatt acgggactca atcagacatc cgagtaaaaa g 341

<210> 18694
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18694

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gagacgctcg aaatagaatg ttgaagctct tagccaattc aaacgtcaat aagtatttac 120

tcggatatct gattgtgtcc cgtcatatat cgagacactc gaaattgaat gttgaagctc 180

tgagccaatt cagatgacaa taacttttta ctcggatgtc tgattgagaa ccgtaatata 240

ttgagacgct cgaaattgaa tgttgaacct ctgagccaat tcaatcgaca ataactattc 300

actcggatgt ctgattgaga cccgtaatat atcgagaccc tcgaaattga atgttgaagc 360

tctgagccaa ttcaaacgac cataaatgta taattcggat g tctgattgag tcccagtata 420

tatcgagacg ctcgatatag aatgttgaat c 451

<210> 18695
<211> 416
<212> DNA
<213> Glycine max

tgaaagttat tgtcatttta ctctttatag agctttcgtt ntcaattttcg agcgtctcca 120

tatattaaag ggctcaattg gacatccgag tgaaaagtta ttgtcgtttg aatttttctca 180

gagcttctgt tttcgattac gagcgtctcc atttattacg ggactcaatc ggacatccga 240

gtcaaaagtt atagtcgatt aaatttgcac agagctttag ttttcaatta cgagcgtctc 300

gatatattac gggatacaat cggacatccg agttaaatga tattgtcgtt tgacttttct 360

tagagcttcc gttttcaatt tgagcgtctc gatatattac aaggctcgat cagaca 416

<210> 18696
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18696

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atcgagacgc tcgtaattga aaacagaagt tcttagaaaa atcaaatgac aataagtttt 120

aactcggatg tcctattgag ccctgtaata tatcgagacg cacgaaattg aaaacggaag 180

ctctaagaaa agtcaaacga caataacttt taactcggat gtccgattga gtgccgtaat 240

atatcgagac gctcgtaatt gaaaactgat gctctgagca aattcaaatg acaataactt 300

ttaactcgga tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tgaaaacaga 360

agctctgagc aaattcaaat gacaataaca tttcactcgg atgtccaatt gtgtcccaga 420

ggatatcga 429

<210> 18697
<211> 436
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   18697

agcntttatt ttnttggaat caaataaaac accaagatag tctcatattg taaaattgcc   60

[illegible]   120

[illegible]

[illegible]

[illegible] ggat [illegible] aatgtttta aataagtgat   300

aagacctttt aaatgatcta tgg[illegible] atatgcata nccttgatt gtagaatttt   360

gctaatacaa ttgacagcaa acaaaatatc ataccanata ttcattccta ataacaattt   420

acaatcttca agttca   436

[illegible]

<213>   Glycine max

<223>   [illegible]

[illegible] aaat ataaa[illegible] g [illegible] a   60

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tacaatattt gataaaatat atattacaaa aacatattaa taacaattat tcatatttga   180

tgatattttt taaatgttgt caaaaactat tcacaatatt tttactaaaa tgtgacggtg   240

tatataaatg ggtagtaaat agtaatcctt ggtcattccc tagtattagt acaactattc   300

atgtatattc acaaatgtac gtagatattt attaaaatat ttttttctaa gaagtaaaac   360

ataaaataaa aattgaaata tatatgtata caaaacataa attagaatta ctctatatat   420

gataaagaac gtntaaataa tgtcacatta cacgtaccta catgtatgag tacctcatta   480

tatatccatc att   493

<210>   18699
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 18699

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gtaccatgag aggacaaagc acatagatgt gaaactacac ttcatcagag atgtgattga 120

atctgagaac gtgaagatgg agaaagtttc acagaagaaa accaggtga tatgtttaca 180

tcaaggtgga gatttgtggt gtgtgactca naatcacaat tggcacaagt gagaaggctt 360

tanagtggtg ctgtcataac tgttntcagt tattataacn tgaattagtt tggcaccaaa 420

gtat 424

<210> 18700
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18700

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acattcgagt taaatgttat gaccatttga gattctcaag aacttccgtt gttcaattct 120

gagcgtctcg ttatgtgatt tgcctgaatc ggacatccgt gtgaaaagtt atgaccattt 180

gaatttctca agagcttccg ttgttcaatt tcgagcctat cgacatatta tgcgcctgaa 240

tcagacatcc gtgtganaag ttataaccat ttgaatttca tgagaagctt cgttgttcaa 300

tttcgagcat ctctacatat tatgcgcccg aatctgaca 339

<210> 18701
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18701

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tatagaaact gagaaaattg cactgtgcct acatgagttg caatgacttgt gtggccaatg 120

ggaagcttaa aattatggga tttatcttct tacaagaaga aaataagtaa ggaaaagtta 180

tgacatgatc agtggcttct gaattgagta tccattcatc tggacctgtc ttgcttacac 240

tacaagtaat ggataagaca ttacctctgt gtgcattgct ggaaccaatg attgtactaa 300

tttgattcac atgntgaatt gtgtgactcg agctctattg ctacagcang gccattagag 360

cctatattg ttgaagaagtc aactttatta tagtactttg ctcatcttga ttgttagtaa 420

<210> 18702
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18702

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gggactcact atctcaagtt tctcagtaat ttccttgaat gctggaacaa ggccacgcct 120

tatgaagcac ccttctataa gccgcatcga atttaactcg gggagactag gagcatcttt 180

taactccaga tccaagcaaa atggggagtc ttttagccac atcctgagag agtgagcctt 240

ggccacaagg atgccttgtc gtgtcttaca aggaagaaaa ggcgatccca tttcccanag 300

gcatgccttc aatgtgctgt caagagatac catgttatac tctngctgtt cccgtataag 360

tacaactgga tttggtgact ctggat 386

<210> 18703
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18703

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cgaagaattc tttttgcggc ttttagatgt ggagaggtag gagccttcgt aaagagacac 120

acaactccca ccgcatatag aatatcgggc cttgtattgg ctagatacct taaactcccc 180

acaagactct tgaagatcgt ggagtctacc ttctgtcctt catcaaattt tgataacttc 240

aagccacctt ccataggtgt gttcacagga ttgcaatcaa gcatattaaa tttcttcaac 300

acttctttta tgtaccttta ttgtgagaca aagataccat tctccgtttg cttcacttcc 360

attcccaagt aatatgacat aagtcccata tttgtcatat canattcacg agacatggac 420

tccttgaagt cttcaaac 438

<210> 18704
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18704

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atgatagttc ttgatcttgt tgttgtggtg gaggtgaagg tggttcacct gggtctttct 120

cctcagctat ttcttgaggt agttgagcgg gtataagaac attcttttcc actttttctt 180

cacccccaatt ccaagaagcg tactcatcaa cttcaacatc tcaactgatg acgagtttct 240

tagtttgcaa gttgtagaca cggtagcact tagagatatt gctataccca aggaagatac 300

ctcgtatagt cttgtcttca agtttgtgcc tcttcacgtc tggaatataa atgtagcata 360

tagatccaaa gacccttang tgctntgctg atggcttctt nccgttccaa gattcaattg 420

gagtcttgtc ttttacagac ttnagtggac atctgttgag tgtgt 465

<210> 18705
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18705

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aaaaaagccca aagaatgatg tcaagattaa atcaagaaca aattcaagaa tcaagagaag 120

tttgatttca agattcaaga aaagatgaat tcaagttcca agagaagaaa tcaagaagac 180

ttcacaaggg aagtattgaa aagatttttc aaaaaacaac atagcacnag tttgtttttc 240

aaaagagttt ttctcacaag tttctaagtt accagagttt ttactcttg gtaatcgatt 300

tccagtttcc tataatcaat taccagtgac aaagtttgat ntcaaaagtt ttcaactgaa 360

tttgcaacgt tccaattgat ttcanaatgg tgtaatcgat tacaagatat tggtaatcga 420

ttacca 426

<210> 18706
<211> 483
<212> DNA
<213> Glycine max

<223> [illegible] locations

[illegible]

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ttttttcttt gtaaactact ctataagggc tcacatcacc tctctattaa gcataatata 240

ttttacaagc taattacata atatatttaa attggactca tccattcata taacataaat 300

aaattccaat ctaagaagag gaaataaaga taaaatttat acacttagaa nataaggcat 360

ataataaata gaaatttata acaaaactca attcatacaa gtcatctcat atacaagtac 420

atcaacaaaa tattgtcaaa ccaagatatc atagttcaat tactaaacat caccatgtga 480

cat 483

<210> 18707
<211> 478
<212> DNA
<213> Glycine max

<400> 18707

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tccaagcatg caaaggttca acatagaaat aacaaaacta acataaataa ataaaggggg 120

[illegible] aatttcatga atggattaca attaccaatg gtgggggaaa gatcttcaac 180

[illegible] aaagctga caagtatgct acttttacc acccccggaat ctccaatcaa 240

caagatcttg aaagagugat catagccact gctctgac[illegible]ggatgaac tcattctctc 300

ttcctctgat gaatgtctta cgtgtgtgtg tcaaaaagta cagtgaaaga tacgtatgca 360

agggtgagag atatatagag gcttatggtg ttgggctacg gaaggctaac ctgtaacgaa 420

gacaatgtgg caaccctttc attattggtg gagagataat actgaagaga gagagata 478

<210> 18708
<211> 416

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18708

[illegible] 60

[illegible]

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atccagcatc cattaaatta ccaaagaact tccaacccgt ggggacctgg ttgtgaataa 300

caattaaata aaataattgc atgtctaana gccatcaaca agtagtttca tacttaaaag 360

acattgaaga gcaatatacc tcanagaatc tcanattcag atgtttggca acaaca 416

<210> 18709
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18709

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atgcgttgtc cagactcttc tcgaccgagg tctcctgctt atcattaatt atgcctcatt 120

tcactnttct gcatcaactc cgtcacactt tgttacagga tccccaatat gttgatcttc 180

ngcataccat taaattgcgc ccagatgctc actccaacct cgccattcat aaggaccttа 240

ttttccgaca aggctgtatt tagattccct tcccaacccc ttttactgcc ttatcttag 300

aggaatttca ttcttctcct ctcggaggtc acacaggggt atcaaaaact ctccattgtt 360

tacgacaaat atttgattgg ccacatatac aganagatgt tcgtcggtac atcgcgcaat 420

gtcccacgt 429

<210> 18710
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18710

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tgtatgaatt attttcgaat tataaaaatt tataaattaa aatataaaaa aataatattt 120

aaaraattt attattntaa tttacaggta tttaatttta tcacaatatt ttattataat 180

[illegible] 240

[illegible]

ttaanataag aatttgtatt aattatatat aaaaataaat ntacatggct cttgtannat 420

acataaaat 429

<210> 18711
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18711

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aacaattatg acctctccag caacaaatac aaccctggat ggaggaatca ccctaacctc 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aaatgtagct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacaa 240

ccaacagttg aggccccctcc acaaccttcc ctcgaagaac ttgtgaggca gatgactatg 300

cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360

ggacaattgg ctacccaatt gaatcaacaa cagtcccaga attctgacaa gctgctctct 420

caagctgtcc aaaatcccaa aaatgtcagt gccatttcat tg 462

<210> 18712
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18712

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cttagccttg caacaagtcc taggcaagta gatacggaga tggacaagaa aatctgcagt 120

attgtgagta gcattttgaa agacgcctct gtgcctgaag ctgatgaaga tgtcccaaca 180

tcgtccaccc canatgtttc tgtgcctgat gtcaataaag atgttccaac atcttccggc 240

ccanatgctg aagtactctc ttcccccagc aaagagagat caacagagga agatgatcaa 300

gccgcagagg agactcctac accacgggca ccagaacctg ctccaggtga ccttcattgac 360

<210> Dna
<211> Glycine max

<223> unsure at all n locations
<400>

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tt ttgtt t 120

atgtt atatgctac tagat a aattaggaat 180

agttttac acttaagtt atnaattgta tatggtagat taggaatagt ttacattgtt 240

a gatt t 300

aactt attaattcta gattagc gtccgc cacg g t 360

aataggattg aaggtctcct ctacttcaaa ccttgtggag tggatgtcat acacgcgaac 420

gatgtgcgaa caa 433

<210> 13714
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13714

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aactagctca acaaggacgc tgtgtacntg ctcgatgaat agtgcttgaa cgcattcaac 120

actatataga ccagcctagt gtctactacc gtcattacaa caccagattg gagccaagaa 180

tttgagctca tgtgtgatgc aagtgattat gttgtaagcg ctgtattggg ccacaggaag 240

ggtagagttt tccatgctat ctattatgcc aataaagatt taaatgatgc tcaattgaat 300

tatggcacca tatataagga aatgctcagc cttgtctatg ctctggagaa ctcagatcat 360

acttaggtga tcaaagttat tgttacactg ac 392

<210> 18715
<211> 484
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 18715

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ttggttagaa aacaagtggc cctcagaata ttcttanaga aaggggnnng ttgaattana 120

gaatannntca caaacttatt ccctttaatt aaaaattctt aatttgattt ntaacccaaa 180

tcctaagatt ccttttaaaa tgaattccta aataattatt caaattaaac ttactgaata 240

gaagcaataa gcaataataa ataaaagagt ttaagggaag agaaagtgca aactcagttt 300

tatactagtt cggccacacc cttgtgcata cgtccagtcc ccatgcaacc cgcttgagag 360

ttccactcaa tcgcaaaaac cctttacaag ttctgaacca cacaaggaca acccttcctt 420

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<210> 18716
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 18716

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

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tcaaaatgcc tcgaaataca aggctaaaac cctatactac tagaatggcc gaaatacaag 240

gcctaaacaa aggtaaaatc tattctaata tttacaaaga taagcaggct catacttagc 300

ccatgggctc gaaatctacc ttaaggctca tgagaaccct agggccttcc cttggatctc 360

tggcccaatc tacttggagt cttctatcca atgcccttgc gggatatgat tgtatcattc 420

ctagcttatt ctcatt 436

<210> 18717
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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gagatcaagc tgcgtggcat gccatgaagc tttctgacga tgtccatgaa caggatgacg 240

actgagtaag ctgagtgctg agttggcagc atgcctaggt gtatgccttt tgaaaatcga 300

tctactacaa ccaatatggc agtatttctg tgaatcggag gtaggcctgt gatgaggtct 360

aagggaaagt cctcccatgg ccgacagggt accgataatg gacataagag accggcagac 420

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tcttttct 488

<210> 18718
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18718

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ttaaacatgc ncctagagcc tggtttgata aactcaaggt gcacttctga agtttgaatg 120

taagtccagc aagtgtgatc cctctttatt tgtctactcc aaagggtcct caacaaccta 180

tatgcttgtt tatgtagatg atatcatcat aacagggaat aatccttcct taatcaagca 240

actcatctct aagctaaata ctttnttctt tcttaaagat cttggttctc tagactattt 300

cttgngaatt gaggtaaaac atcaatctga tggatctatt gttctcactc aaggaaaata 360

cattagagac ttgctggcct anactaatat gacagaagca aaacctatnt cttcacctat 420

ggttactgga tgtaagctaa ctaanagtgg atctgatcca ctcactgatc cat 473

<210> 18719

<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18719

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[illegible]

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aagccaagta acattntgct tgacgaaaat tacaatgcca agatctcgga tttcgggttg 360

gctcgggcttc tgacaaagct ggacaggcat gtgatgagca acaggtttca gagtgcatta 420

ngatatgt 428

<210> 18720
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18720

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aaacaaatac tgtgctaagg actgcagaaa caactatctg ttcttattag gttaatatct 120

gatatgtgaa ccattggttc acacgatact aaattaatgt tttgagggga ggatccacta 180

cagtagcttg ctaagttgct actgaagccc ttatgtgttg ctcatgcgtt gcactactac 240

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aacatacgac tattatagtt aaattacaga attatttcat ta 342

<210> 18721
<211> 468
<212> DNA
<213> Glycine max

<400> 18721

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ggatacaact ctactggttc atacaaacta tacaatccaa agaatcaaca agttctattt 180

agtagagatg tctactttga tgaattaagc tcatggggag agtttcaacc tacttctgag 240

acaatacaga agattcatct tgaattgaaa aatgatgatc cagtaggaga gatacatcaa 300

ttggtcagca tatggcactt atggcagaca tggaacctat tacttttg 348

<210> 18722
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18722

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ccaaaaaatt tgtttagtgg agacaataat ttttttatca atggcaataa aaacaccaca 120

acaactatca tttatataga tagatagata aatatatacc caaatattgt tattgatcca 180

taataaattt ttcttcattt ttgttccctg atatttgaca tggtttttta aattgtagtc 240

attagttaag tgatgacatg tcactactaa aaaatagggt ttcaacattg gttattaagg 300

actttccaca tcggttatta accgatgatg aaagtaccaa cgttgaaagt aatatcgtta 360

acatcgattn tccaaaaccg atattaatat aaaattacaa catcggttat tgaaataact 420

gatgttatat aataagaatt ataaaanaaa gtaatatatc ttcatatcaa catcg 475

<210> 18723
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18723

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tatgtatatt gttatttcat tgatcctttg catgatatat ataatacatg tacaaggatg 180

ttctatacca attctaaggc atgacagacg tgatccataa tcagtggcat ctgatttatt 240

ctatgcatta taaggtaaat aaatatagaa tcaaggtaac ataggaaagt aaatatatac 300

acagcatatt tgcaatcatg tagaagatat ttcctaatac tcccnctcaa gttggtgagt 360

gaatatcgtg aagtcccaac ttgttgcgca atgtcacaaa ttgatctttt ccgaraagtt 420

<210> 18724
<211> 462
<212> DNA
<213> Glycine max

<400> 18724

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tgatttacaa atatgtttta taacagctac taatatttga attcgatatt ctagactgtg 120

taatcgatta cacaattttg gtaatcgatt accagcagtt aataaacgtt ttaattcaaa 180

ttttaaaagc tgtaatcgat tacacaattc ctgtaatcga ttactagaca ggattttcag 240

aaaaatattt ctaagagtca caacttttca aaggctttat tcatgactac caatgatcta 300

tatatatgtg acttataaca cgaaattgct cagaagtttt cagaacaaca agtgtttatc 360

ctctcaaaga gcaaaatcat tttatcctct taagaattcc ttggccaatt caatcgcaat 420

tcattaatga attatttgag tgctcaatct gtaaaatcta tc 462

<210> 18725
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18725

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tgcctctgga gtgggagatg gagctgtatt gttacaaggt gggcacccta tagcttattt 120

tagtgaaaaa cttcatagtg ccacccctca ctacccacc tatgataaag agctttatgc 180

cttaataaga gccctccaaa ctagggaaca ttaccttgtt tccaaggaat ttgtcattca 240

tagtgatcat caatcactta agtacattag agggcaaagc aagttaaact agaggcatgc 300

ataatgggta gagtacctag agcaatnncc atatgttatc aaatacaaaa agggaatacc 360

aaatgtggta gctgatgccc tctctangag acacacattg ttttgctccc tacgagctca 420

aaatttagga tttgataata ttanggactt gtatgc 456

<210> 18726

<400> 18726

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gcgcaaaatc tcttgaacta ngaagatgtt gcccatcatc tttttgttct taatgaaagc 120

agtttgagtg tccctaataa tagtctcaag cactggggct atgtggttag ccagaatttt 180

agatacaatc ttgtataaca aattacagca agatattggt ctaaaatggt taacctgcga 240

ggcctgatca tgcttaggaa taagcgcaat aatagcatgg ttgagctgct ttagaatttt 300

tccagttgta aagaattcat taacggctgc agagatataa tcaccaatga tatctcaagc 360

cttcttgaag aataaaacat tgaaaccatc tggcctagga gcgttattgt atccatcaca 420

<210> 18727
<211> 451
<212> DNA
<213> Glycine max

<400> 18727

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ttataacgaa acgctcgaaa ttgaatgttg aagctttgag ccaattctaa cgataataac 120

tttttactcg gatgtccgat tgagtctcgt aatatatcga cacgctcgaa attgaatgtt 180

gaagctctag gcctattcaa acaacaataa cgttttactc ggatgtccga ttcagtgacg 240

taatatatcg ggacgctcga aattgaatgt tgaacctctg agccaactca aacgacaata 300

actttatact cggatgtctg attgagtccc gtattatatc gagacgctcg aaattgaatg 360

ttgaacctct gagccaattc aaacgacaat aactttgtat tcggatgtct gattgagtcc 420

cataatatat cgagacgctc gaaattgaat g 451

<210> 18728

<211> 360
<212> DNA
<213> Glycine max

<400> 18728

taagagaagct agaggcttagc tacacatacc tgtctaatag ctaagctcac ctcgcttgaga 60

tacatggcta aaaccctata ctactagaat ggcaaaatat aaggcctaga caaattatga 240

acatatttcta gtatgtacaa agataagcgg gctcatactt agcccatggg ctcgatatct 300

agcctaacgc tcatgagaac cctatggcct ttgcttggat ctgtagccca atctacttgg 360

<210> 18729
<211> 346
<212> DNA
<213> Glycine max

<400> 18729

agctttgagc ttttcaaatg gtcataaata gtaactcgga ggtccgattc aggcgcatat 60

ttttatcgtga cgctcgaaat tgaacaacgg aagctctcaa gaatatcatt ggtcataact 120

tttaactcag aggtccgatt caagcgcata atatatcgag acgctcgaaa ttgaacaacg 180

gaagctctca agaaatttaa atagtcataa cttttaactc ggaggtccga ttcaggcgca 240

taatatatcg agacactcta aattgaacat cagacgctct agagagaatc aaatggtcat 300

aacttttaac tcggaggtcc gcatcaagcg cataatatat cgatac 346

<210> 18730
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18730

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acgagatatc ttgctaaaca aagtctggtt agcgataact cgcctgtgct ttttcttcca 120

tgctatatgt atcaaagtca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180

aattatactg tgccagttgg agatgtattt tccccccgct ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtatatc tacggtggat 300

gtacccgggt gagcgataca tgaagatctt aatagggtat acgaagaatc tatatcgtcc 360

agaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt gttcagaata 420

<211>
<212> DNA
<213> Glycine max

<400> 18731

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tgctcgagag cttacgatgc ttaatttcga gcgtatcgat atattatatg cctgacccgg 120

tcctcacagc gaaaagttat gaccatacca atttcacgag agcttacgtt gtgcagttcc 180

gagcgtatct atatgagatg cgccgcactc gaacatccca gtgaaatgat atgaccatgt 240

gaatttctca agagcttacg ttgcgcaatt tcgagcctat cgacatgtta tgcgcccgaa 300

ctggacatcc cagtgaagag atatgaccat acgaatttca cgagagctta cgatgtgata 360

ttcgagccta tcgacatatt atgc 384

<210> 18732
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18732

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ctgcaattaa ggcagccccc atagcaaccg caactgagct tggataggga tgaccacaat 120

ttaagcttgg c tttccaacaa ttaggcaatt ccctaactct tcttaccatt ttctccactc 180

ttctaccccc ttttttcctcc tcttctctac acaccaacag acttttacta ctgttaggac 240

catttttatc tttctttcct ctcccatgta tcttgatcag cagcccatca gaactcaatt 300

aaatttaaaat acaactcang cagaacaaaa aatctgaata ttatttggac agtgaggtct 360

ctcccaagtt tgtctatgtt tgactgctga acttatggag atttaacata atgatcttgt 420

acagttgcga gggacacaca aagc 444

<210> 18733
<211> 416
<212> DNA
<213> Glycine max

aatctgtacc tgtcgcaagg gtttgtggtt agtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcaaagc aattatgacc 240

tgtccagcaa cagatacaac cctagatgga ggaatcaccc taacctcaga tggtccagcc 300

ctcagcaaca acaacagcag cctgctcctt ccttccataa tgctgctggc ccaagcagac 360

catacattcc ttcatcaatc caacaacagc aacaacctca gatacagcca acagtt 416

<210> 18734
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18734

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cctgaggtat aatgccgaag tgaatccccc ttganaagcg gtcaacaacc acaaggagta 120

caatcttgcc ctgaaaaaaa ggaagaccaa tgacgaaatc aagggagagg tcctcccatg 180

gtctgaatgg aactggaaga gggcacaaca agcccacaat atgtttcgtt tcatatttcg 240

tgaattgaca ttcaatacaa ttagctacaa agttggcgac atcagctcgg agacctggcc 300

aagttaaatt ctccgacaac catgttattg tctttgtgac tccaatatga ccccccatgg 360

gagtggcatg gtattcgatc aagagagatt gaatgagtgg aagatcatgg tgtaaccata 420

ttctgccctt ctggagaatg agattcntaa taatggtgaa gtctggat 468

<210> 18735
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18735

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[illegible] 120

[illegible] 180

attcatccaa acacgtctca ttntaacagt taacataaac catcaagatt atatatactt 300

tatcctctaa attatttttt actttgaagg agtcaagata aaagtcatta taatgcatgt 360

gtaaagaana tactacaact catgcaagtg catatatcga tatgtttagt atatgaaaat 420

tatgaatc 428

<210> 18736
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18736

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tagctacaca cacctctca taactaagct cacctccttg agaagcttgc ttaagaagat 120

tcttaaagaa tctagagctt agctacacac acctctctaa tagctaagct cacctccttg 180

agatgagaag ctagagctta gctacacacc ccttataata gctaagctca ccctatgcc 240

aaaaaatatg aaaatacaaa aaaagtcctt actacaaaga ctactctaaa tgcccaaaa 300

tacaaggcta aaaccctata ctactagaat gaccataata caaggcccan acgaaggana 360

aagctattct aatatttaca aagataagcg gactcatact tagcccatgg gctcgaaatc 420

tacccctaagg ctcatgagaa ccctanggcc ttcccttgga tctctggcac aatct 475

<210> 18737
<211> 423
<212> DNA
<213> Glycine max

<400> 18737

agctttgacc aaattcaaac gatgataact ttttactcgg atgtctgatt gagtcccgta 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgac caaattcaaa cgatgataac 120

tttttactcg gatgtctgat tgagtcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctctca gcaaaattcaa acgataataa atttttactc ggatgtctga ttaagtcccg 240

tctgaagctc tgagctaatt caaacgacaa taacgctttg ctcggatgtc tgattgagtc 480

ctg 423

<210> 18738
<211> 341
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18738

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tttggcgcaa attgttcacc atgtgtggca taaagctatg tatgagcact tcacatcacc 120

cagaaatgaa ccagcaaacc aaagttctga accatacttt agagcaatat ctcaaatgct 180

tggtcagtga cacaccaact cgctggttca actatctctc actggcagaa tggcgttata 240

atacatccat tcattctgct acaagaatta ctcnctttga agcaacttac ggcaaggtcc 300

cttcttctat tctcggtact tgatgggatc gtccagcgta t 341

<210> 18739
<211> 407
<212> DNA
<213> Glycine max

<400> 18739

agcttctgtt ttcaattttg agcgtctaga tatattacgg gtatcaatcg gacatccgag 60

caaaaagtta ttgtcatttg aattttgtgt attcattttt tagcatcaag aattattaaa 120

tgacttcaatc ggacatccga gtaaaaagtt attatcgttt gaatttgctg acagcttttg 180

tattcaattt cgagagtctc gaattattaa atgacttcaat cggacatccg agtaaaaaga 240

tattgtcatt tgaatttttct tagagctttt gattttcaatt tcgagcatct aaaattatta 300

aaggactcaa tcggacatcc gagtaaatag ttatggtcat ttgaatttgc ttagagttac 360

tggtctcaat ttcgtgcgtc tcgatatact ataggactca atcggac 407

<210> 18740
<211> 460
<212> DNA
<213> Glycine max

<400> 18740

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atcaagacgc tcgaaattga atacagaagc tcttagcaaa ttaaaacgac aataactttc 120

tactcggatg tctgattggg tcacgtaatg tatcgagtca ctcgaaactg aatacagaag 180

ctgagagaaa attcaaacga caatgacttt taactcggat atcccattga gtcccgtaat 240

atatcgagac gttcgaaatt gaatgtagaa gctgtgagaa aattgtaacg ataataactt 300

tttactcgga tgttcgattg aatcccgtaa tatatcaaga cgcttaaaat tgaatacaga 360

agctcgtagc anactcaagc gacaataact nttaactagg atgagtcctg taatatatcg 420

agatgctcga aacttataac ggaagttcgt agcatattca 460

<210> 18741
<211> 375
<212> DNA
<213> Glycine max

<400> 18741

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agagagcatg aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggctt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgctgag ctgcacgaag ttgttgatat ggatgatttg cttcacaaag 360

caatccaagt ggagc 375

<210> 18742
<211> 429

<212> DNA
<213> Glycine max

<400> 18742

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daatcagtta gatacgaagt atgatttgct tcaagagtat gtaattcatc cttcatagct 24

tttcttaata cagttcata cttaacagct tatgcatatg ttttgggttc agaaatttt 300

gaaatggcta aggtatatat ttgagatgac taggagacaa atgatgatag gacagaacag 360

tggataagga atataaagca gtacctgaag tagaagacag gaacctgctg agttagaaga 420

ntgcatgta 429

<210> 18743
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18743

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caatggcctg cagtcgttca aagcagttca atgagttctg caagaaaata ggcatcaaaa 120

ggcacataat agtcgctcac acaccacaac aaaatggttt ggcagaaaga atgaataaga 180

ccattttgga aagagtgagg tgcataactt ctaatgcatg actgccaaag accttctggg 240

gagatactgc tacaccacag catatttgat aatagatgtc catcatcagc cttatgtttc 300

aagacactaa tggaagcttg gagcggtgaa ccacctgatt attcatgatt aaaggcgttc 360

tgatcactgg ctttcgctca tgttaaacaa cgaatgctgg atgcaaggtg tataaagtga 420

gtgttca 427

<210> 18744
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18744

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gtggatgacg cctcctctca cctcttctcc tttgtcttcc actgcatctc catggtggaa 120

aatcaccatt aaaggacctc attgaagctc anaccaccaa aagtgagtgt tttgttggga 180

[illegible]

[illegible] tttcccttta tcttncaaaa ctnnnnaat gtnnattttn nctannnnca 3

accatagtta cttttacctt ntgttttcaa acctccaata agaaagaacc acaacttt 417

<210> 18745
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18745

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gcatgaaggg tctatatata tgtgtgtcta actttgaaaa gcaagaaaga gatattctaa 120

gagaacttca ttgccaaatg ttctctcaac aactcttggg caaacactta caaatctatt 180

gagagttcat ccaggaattt caatttgtat catccactct aaaggagaga aatctttttg 240

tttanctcan aagtcagttg taatcaagag actggttgtc tcttgaattg tgagtatcct 300

gaacacaaga gaaagggatt cctcgggtgt tcagaagttg taaaaaggat ttttacaaag 360

tnagtgaaaa tctcaagtgg gttgcttgag gattagatgt angcacagga agtggctgaa 420

ccagtataaa tcgagtntgc atttctctct tccttcatct cat 463

<210> 18746
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18746

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tatccacatg ctctttctcc ctcaatgaat taaggcaacc cctctcccct ccttcatcca 120

agatgcttct cgagctctcc aagtcccagg actccccgc cggcgacagc accaccaccg 180

tcatcgtcat catcggcgcc ctcctcaagc agtgcctnca ccttctctcc cacgacatcc 240

accccaccat cgtcactgac gccctccaca aggctgccat caaggctgtc gatgttctca 300

ttgccatggc tgtcctcgtc aagctttcca accgtgactc cctcgtgaag tccactcana 360

<210> 18747
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18747

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cacagttttt ctcccatgtt taagttgttt gtaacttgta ttttcttcac agatggggca 120

tgcatgatga cccttaacac tgtaaccgct gagattccca tatgctggaa agtcattaat 180

ggtacaaaaa agcattgcac gcatttcaaa ggtctccttg cgaaacgcat canacactac 240

aacccccttg tcccacaact ttctcagatc ttcaaccaac ggacttagat aaacatcaat 300

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catgcac 367

<210> 18748
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18748

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cagcgggttc aacacctgaa tactgtattt ggaaagaccc aaaagaagga taaaagtaag 120

agttgcatat ggaaaaagag gtccattttc tttgatcttc tgtactagtc tgatctagat 180

gttagacatt gtattgatgt tatgcatgtc gagaaaaatg tatgtgacag tgtgattggc 240

acgctcctta acattcaagg caagatgaag gatggcttga atacccgtca agatctagct 300

aatacaggga tacaatcata gttgcatcca aggtctgatg ggaagaaaat ttacttgccc 360

ccagcttgcc atactttgtc caaaaaggag aagatcccgt tttgtcagtt tcttcgtcgg 420

gtgaaggttc cacaaggata ctcttc 446

<210> 18749

<211>

<212>

<213>

<400>

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a 180

gcaaaattt cactaattat gattagtgaa ttttagctat gattcaggcc accaatccaa 300

a 360

gtgtg ggtgtagcaag aaatgatca 420

cctccccctc taatanttta atggattggt cttctcccaa t 461

<210> 18750
<211> 330
<212> DNA
<213> Glycine max

<400> 18750

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aatacattga tctaaacata agtgaaaagc ttaaggctct atctagctaa aaaaagacag 120

acaaaataat gaactcgttc cattaactaa aattcaatta cgagataaag catagatacg 180

aaagattatt acatagatta tgtacttggc taaacttaaa ggagtgttgt tcgccggcga 240

gctggaggtt gccgctgacg aagacgatca tggcggagtt gacagcggac ggctgggaat 300

ctacggtggt gatggagtgc tggcactgtt 330

<210> 18751
<211> 403
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 18751

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[illegible] 120

[illegible] 180

cnngagtgana agtaatgacc atttgtattg ctcaaaagct ttcattgttc aatttcgagc 300

gtcttgatat attacgcgcc tgaatcggac ctcctagttg aaagatatga ccatttgaat 360

ttctcgagaa gcttcgttgg tcaatatcga gcgtctcgat ata 403

<210> 18752
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18752

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atcttacttt gtacttaagt tatgaattcc cttaaagaca atcttcttaa atattaattc 180

aaatgaagca acttgaatat gaatataaag caataataaa taaaggagat taagggaaga 240

gaaaatgcaa actcagtttt atactggttc ggccacaccc ttgtgcctac gtccagtccc 300

caagcaaccc gcttgagagt tccactaact tgtaaattcc ttttacaagt tctaaacaca 360

caaggacaac ccttcctttg tgtttagaga ttctttacaa caagagactc acagtctctt 420

aatccccttag agaatgagaa gaa 443

<210> 18753
<211> 306
<212> DNA
<213> Glycine max

<400> 18753

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taagcgcttg aatgccatgc tatacaggct gaactatgac tcacagattc aagaaatcaa 120

tgaatctctg ctgaccattg aactgtgagt gaacgagctt aaaagcaaat gacctcttgt 180

gaagcttcta gaagcaatgc ttaatgcagg aaatcgaatg aatgcacgaa ctgcaagagg 240

caaaictcaa gctttttica atatgactic tctaaagaag ctctctgatg tcaaatccac 300

<210> 18754
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18754

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atatatcgag acgctcgaac tttacaaccg aagctcgtag caaatatgaa cgacaatgac 120

atttcactcg gaagtcctat tgagtcctgt aatatatcga gacgctcgaa atttanaatc 180

gaagctcgta gaatatacga acaacaataa ctttttcactc agaagtccga ttgagtcccg 240

taatatatcg agacactcaa taattanaac ccaagctctc agatacttct aacgacaata 300

actnttcact cggaagtnct attgagtccc gtaatatatc gagacgctcg aaatgtanaa 360

ccgaagcccg tagcacattc gaacgacaat aacattccac tcggaagtct gattgagtcc 420

c 421

<210> 18755
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18755

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aatgttattg tcgttataat ttgcagagag cttcggtttt aaatttcgag cgtctcgata 120

tattacggga ctcaatcgga cttccgaggg aaaagttatt gtcgttagaa ttatctgaga 180

gcttgggttt taaatttiga gtgtctcgat atattacggg actcaatagg acttccgagt 240

aaaatgttat tatcgttcga atttgctacg agcttcggtt taaaaattcg agcgtctacga 300

tatattacgg gactcaatca gactttccgag tgaaatgtta ttgtcgttcg aatntgctac 360

gagcttcggg tttaaatatc gagcgtctcg atatattacg ggactcaatc ggacttccga 420

gtgaaatgtt attgtcgttc gaat 444

<400> 18756

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atctgttacg ggactcaatc atacatccga gtaaaaagtt atggtcgttt gcattggctg 180

agagcttcaa ctttcaatat caagcgtctc gatatgttac gggactcaat cagacatccg 240

agtaacaagt atggccgttc gtattggctc acagcttcaa ctttcaattt caagcgtctc 300

gatatgtta 309

<210> 18757
<211> 465
<212> DNA
<213> Glycine max

<400> 18757

tcgcgatata tcttgcgcct taatcggact ttcatttgat aagttatgac catatgaatg 60

tctcgagagc tttcgttgtt cattttcaag cttctcgata tagtatgcgc ctgaatcgga 120

cttgcacttg aaaagatatg accatttgaa cttctcgaga gcttgcgttg ctcaatatcg 180

agcgtcttaa tatattatgc gcctgaatcg gactttcgtg tgtcaagtca tgactatttg 240

aatttcttga gagcttgtcg tgttcaatat cgagcgtctc ggtatattat gcgctggaat 300

tggactgtca tatgacaaga tttgaccatt tgaatatctc gagagcttcc gtgaccgttc 360

caggtttaaa taagaagaat caccggacga cgccgatcga acattgtcta gtagacatcg 420

ttcaaatatt atcggcggat tgaatatata aaacaatacc ggaca 465

<210> 18758
<211> 470
<212> DNA

<213> Glycine max

<400> 18758

gcttgtgata tttatactat atatgtgtgt gtcttcgttt atctctacct gtttaaaaat 60

[illegible]

[illegible]

atatatcdaa catgtcattt tacttctattt gataaacttg aacagtcttg ttttaagtca 300

taaatatttc taagacattt tatttggtaa cagtgaagcg aatgtgaaca ttatccacgt 360

gaacttattt acgatcttat tgaataaaat tgatttaatt agattccgca ttgtatatat 420

gtttctttca tatatatgta tgttggagta caatgtgtga gagacatctt 470

<400> 18759

[illegible]

<223> unsure

<400> 18759

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 352

<210> [illegible]

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 18760

agcttcatca atgaaacaag gaaccctttc cgtcacggag tacttcacaa agcttcgtat 60

catatgggat gaaattgaga acttcagacc tgacccccct tgttcttgca ccatcaagtg 120

tacatgctca gtcctcacca tcattgccca acggaaatta gaagaccgag ccatgcaatt 180

cctatgagga ttaaaacgagc agtacaacaa tgtgagatct cacgtgttgc tcatggaacc 240

catgcccacc atacccaaaga ccttctcctg tgtagcccaa caagaacgtc agctatcaat 300

tcattttcaa attcaaatct tgaatcataa gaaaacgttt ccattaatgc cgtcaagaat 360

[illegible]

<210>	18761
<211>	445
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	18761

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cttttggttg ccattgcctg cttaaacatc taaacactct gttaatgaga tcttcaatag 120

gaaatatttt tcccagtgat gcaagatgat taactatatt agtaaatctc ttttgcatat 180

cttgtatggt ctcatattga ttcattctaa acagttcata ttcatgtgtg agagtgttta 240

ttctagatct cttaacatca gttgtgcctt catgggttac ttgtaatgta tcccatattt 300

cttttgcatt tttacaattt gagactccaa aatacttatc cattcttctc taagtttttc 360

tatcagtgca tatcccacta ccattgcagg aatgaaggga ccaatgtcaa tggtttccca 420

tatatntaaa tctatggctt ctata 445

<210>	18762
<211>	432
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	18762

ntagcagatt caaatctccc agtgagtgca ttcacatctc tgtcagaatc actntcttgt 60

tcactctctg tatcatcaga ccgacttaca ganagtcctt tcctctgctt cttgagatga 120

gtgggacatt cagctttgat gtgtccaaag ccttcacacc cacggcattg aattcctttg 180

ctgtgactgg gcttttcatc tgacctttte tggtattcac tgcctttcct gatgtcgaaa 240

gggatgttcc ggacatggtg tttctgcctt ctgtccattc tattcatcac tttgttgaac 300

tgctntccaa ggagcacaac tgcattagtc agaccttcat cagtttccag gtcatactca 360

tcttcttctc cttcatcatt ggacacgaaa gccaaattct tgctcttctt ttcagcccta 420

ttcgagagtc ct 432

<223> unsure at all n locations
<400> 18763

ttttcattat atattagcat ttcatttgcc tcttacatt tgatgcatca ttggtgtctt 60

ctagcagtga tgatatgatt tttataagat aatcaaatgt ttacttcttc caaaattgag 120

gtgtttgttt gggttgtaga aatcttcata tttgatgtta tgcttttacc ctttatttca 180

atgttgattg ttctttcatt gcctcaccag acaagatcta agaggttctt ggaaattcaa 240

caattgaggg agcataataa agagtatgac atgaagacaa caatatattt ggttaaagaa 300

acaactaaaa ccaagtttgt agaaatagta gacgcccatt tctgcctcaa cattgaccct 360

aaatataacg atcaacaatt aagagcaaca gtgagtctcc tgctacttgc ttgattatgg 420

tatatgcagt tacattgaan acgtgaggt 449

<210> 18764
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18764

tgctgccacg gagttntccg actatgctct tgtgtggtgg aacatgctac aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg tcggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatc gttgagctgc aggagtttgt tgaaatggat gatttgcttc acatagcaat 360

ccaagtggag caacaattaa taaggaaaag agtagtggct aagaggagtt ttatcaactt 420

tggttcttct agttggaaag acaaa 445

<210> 18765
<211> 374
<212> DNA
<213> [illegible]

atgaaacaac [illegible]

actgaagaag aaaggatgag aagagggaat gactgggttc ctagaacaaa tccgaattga 120

tggtattaan actcaacatt tcctgcatat aaaggaaaga atgatcccga tgcctacttg 180

gagagggaga tgaaaataga gcatgttttc tcatgcaaca actatgagga ggaccataag 240

gtgaagcttg ccgccacgga gtttttcgact atgctcttgc gtggtggaac aagctacaaa 300

aggagaggc aagatatgaa gagcccatgg ttgatacatg gactgagatg ataaagatca 360

tgatgaagcg gtat 374

<210> 18766
<211> 412
<212> DNA
<213> Glycine max

<400> 18766

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gtgatgctag tggagttggc attggggctg ttttgataca aaacaaaagg cctatagctt 120

atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180

atgccattgt gagagctctt gatcattgga atcattattt gcgttctaat cactttatat 240

tgcattcaga tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc 300

atgctaaatg ggttgaattt cttcaatctt ttaatttctc ttcaaaatac aaggatggta 360

agagtaatgt ggtggctgat gcactttcaa ggaggtatgc tttaatttca at 412

<210> 18767
<211> 417
<212> DNA
<213> Glycine max

<400> 18767

agcttgaaaa attgatagag ttttattctt agatttaata ggaaatatcc aagtgtacct 60

ggaaaaggca tcaataaagg atacacagta tttatgacca gcataggaag tcaaaggtcc 120

ccacaaatct gtgaaatatg gctccaaagg aggtaaaca gaaatagaag tgttaatgtg 180

[illegible] 240

agagttttca ttaaccgtag cagctgtaat agacaagcca gtattgaaa ttgagta 417

<210> 18768
<211> 359
<212> DNA
<213> Glycine max

<400> 18768

ttaacttctt ggaatgtgca tgtggcgatg gataaaggca taatccaagt taccttaacc 60

aatccagatg gaacttgcac tgggatacga tataatggcg gtgacagtct gcttgaagtt 120

ctcaacaagg aaactaatag agggtatgtg ccctagcga tgagtatctg tgaattgtat 180

ctctctcaca cgtgtgccgc tgtgccgagc tcagtgccag agaaccattt tctgaaatgt 240

aatggtaatg aacaggaagt atcagaattc agctgacaga gtaacattga cacaggaatg 300

ggcgccagac caaggatgtt gatgtgatgc aatactgttt tttgtaccga tggtgcttg 359

<210> 18769
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18769

agcttatagt ctttacttat tgagaacaat aagccaaagt caatagttcc tatataacga 60

agaattcatt ctgcggcctt gagatgagta gtggttggag tctccatgta tcgactgatg 120

agtctagtag catatagaat gcctgatttg tgcacatcac atatcgcana ctacccacca 180

cactctggaa attattagca tccacctttt ctgcctcatt gaactgtgat aacttcatct 240

tgtactccac cgttcttcaa agtcccttgt agctatccat cttgaatttc ttgaggcatct 300

tctat 305

<210> 18770
<211> 372
<212> DNA
[illegible]

[illegible]

[illegible] 120

ttctgtcttt cttcatgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt 180

gtggtcacta aaatctcgtg cgatgaaagg cgtgattgat gcaagctcca ttggagcttg 240

taggcctagg atcttcttca ccaatggatt cctttgcttc ttggaagata aatggcagcg 300

gnatngagaa ggaagagaga gaggagacgc cacttcaagg agaagatgag tctagaagaa 360

gctcaccacc at 372

<210> 18771
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18771

atntccttgt ttcctattaa cacaacctgt acctgcgcac canaaagaaa tgcaagaaga 60

ggtcgtatta ttctcatgag ccctangata gattttgggc ccatgggcta agtatgagcc 120

cacttatctt tgtacatatt agagtaagat ttcattattt ttggatcttg tatttatggc 180

tccataatgt aggtagggta ccctagaaat gtaagatttt tcaaccattg tatttttatga 240

caccnagact agtatttgta ttatgggtag ttctgtaatt tcacatgcat taagtgaata 300

tatgntgtgt gtgttgcgaa atacaattaa ttgaatcgng tgaagcccaa tccaattaaa 360

ttttntaggg ggagat 376

<210> 18772
<211> 429
<212> DNA
<213> Glycine max

<400> 18772

tcacacgtgg ttttgataca acagcactgc tgccgttgng gatcttgtat tcactcataa 60

aggacattag cgcgagtgtc atttactcaa cctctgcatc caacatctgg aacgatcttg 120

agaaacattt caacatcaaa aacggagcca gaatcttcca attgcggaaa gcattactna 180

[illegible] 240

[illegible] 300

[illegible] 360

gccatgctag aggtcaaatc ttgttgatga aaccgattcc ggatattgat gagaccttct 420

cattattgc 429

<210> 18773
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18773

ttcttaagaa gattcctaaa gatgctagag cttagctaca catatctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagaac ttagctacac acccccctata atagctaagc 120

tcacccncat gacaaaaaac atgaaaatac caaaaaaaag tccttactac aaagactact 180

caaaatgccc cgaaatacaa gggctaaacc ctatactact agatggcaaa atacaaggcc 240

caaacgaagg aaaaacctat tctaatattt acaaagataa gcgggcttat acttggccca 300

tgggctcgan atctacccta aggctcatga gaaccctang gccttcctt ggatctctag 360

cccaatctac ttggagtctt ct 382

<210> 18774
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18774

agcttgttcg ttttgctgat atttatcatg cacactnttc tgatgatgac cgaggaacaa 60

ttagggatca acttcaaact tatgtcattc aagtgagaag aaatgcttct ttttccactt 120

ctgaagatgt tcaaagtttg gctatgaaga tggttcanac tgagaaacat ttggtatttc 180

catttggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240

aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tctgtggatg 360

<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18775

gtcctttaat ttcacaatta tgttatgccc ncttatagtg accttaaact gttggacgta 60

taagattctt atatttacca atagttcact ttgcctaata actttgcaca cacgcataga 120

aatcagtatt tccaaagtcc taaaatttgt gattgcaata ttaatttta atgctctttt 180

tcagggcaat atcagcatgg tatgagaatc gtcattggtt taacacttta tgcaagacag 240

tgatggagca agactggtct tggaatcgcc ctgcacttga ttatctggag ctttaccatg 300

ctgcacgtaa gtcagcatga gatttaatag acatgaatta agtttcatcc tcttttgtaca 360

cattnttgtg gtaagcttca gtttgaacac acttgattgc atctggtgaa tccttcaaaa 420

agataacaac tacgaggtga anagccataa aagatgatga gcttc 465

<210> 18776
<211> 423
<212> DNA
<213> Glycine max

<400> 18776

agcttctttc gattaatgaa gatgataata ttacatgtta ataagttgac agttttaagt 60

gtcttgatgg cttgtggcac aattaagtct ttgctatttg gaagagaagt tcatgcacag 120

atgattaaaa gtgatatcca tacaaacata tatgtaggaa gcactctggt atggttctat 180

tgcaaatgta aagaatactc ctatgctttc aaggtgctcc aatatatgcc tttcacggat 240

gttgcttcat guactgccat tatttctggt tgtgccaggc tcgggcttga acatgaggct 300

ctggagtctt tucaggaaat gatguaagaa ggcgtgttgc ctaattccta tacttactcg 360

ttagccttga aagctcgtgc agaactggaa gctccaattc atggaaacgt aattcattcc 420

tac 423

<210> 18777

<211> [illegible]
<212> [illegible]
<213> [illegible]

aactgaaatt tctttatcan aatttacatat ttataatact taacagatga taagtaatat 60

taatcatatt ttttttcattt gtaaaaaatt aaactcacat attaaaagat ttacaatttt 120

taaatacagt gttcaattaa taaagttaaa cccgttaatg ataattaagt gtagatagaa 180

tgatttcata tatttattct gtcaaaaagt ttttattgaa tataaaaatt ataacataag 240

gattatgttt caaacaactt tnttctcttt taagatgttt tcatactttt ttactagtta 300

aaaatgatnt tattnttttt atncaaacaa aattaatgaa ctcaagccac tttttacaaa 360

cttactccga caatttttttt taattataat ctatataaca ataatattca ttatcatata 420

actaatatta aatatttaat t 441

<210> 18778
<211> 278
<212> DNA
<213> Glycine max

<400> 18778

tctttctcaa tccaaggaag tatgcattgg aattgcttga agacagtggt ttattggcta 60

ctaagcctag gacaactccc tttgattgct tcttgaagct tcatgaccgt gactcacccc 120

cttatgaaga tgaaacagcc tatatgagac ttgttggcag acttttatat ttaactacaa 180

ccaggcctaa cattgctttc attgttcagc aacttagtca attcatctct cagacattac 240

aagttcatca ctcagcagca attatagtcc tcaatatc 278

<210> 18779
<211> 307
<212> DNA
<213> Glycine max

<400> 18779

cacgttagtt gagtcacaca atcaaatctc tcacagcact cttaccaaat ttacctaata 60

tttaggtact gaacataact tacattaagc ctctgctatt ttactattgc tgttcattaa 120

aataatttaa gagaaatcat agtaaaatct aacaagtgaa aatatttata tgttatgaac 180

[illegible]

<210> 18780
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18780

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nttcgagagc ttccgctgct caattttcgag cgtctcgata tattatactc ctgaatcgga 120

cctccgagtg aaaaggtaag accatttgaa tctctcgaga gcttacgatg ttcaattttg 180

agcgtctcga tatattatgc gcctgactcg gacctccgag tggcaagtta tgaacatttg 240

aatttctcga gagcttccgg tgctcaattt cgagcgtctc gatatattat actcctgaat 300

cggacctccg agtgaaaagt tatgaccatt tgaatttctc gagatcttcc gttgctcaat 360

ttcgagcgtc tctatatgtg atgcgcctga atcggacctc cgagtcacaa gttatgacca 420

t 421

<210> 18781
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18781

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tctcatataa acgcttgtgt ataagcgctt tttataattg aagtggaaag aagtaaaatt 120

aaactggttt catataaact ataaattggt ttcctaaact atcttgaaga gcttattgaa 180

atgaaacagaa aacagctaat aagcatatct taaacactgg tttcataagc tttctcaaac 240

actaacacaa agttcatgag agtaatatat gtccttccta caaattcttt actgcttaat 300

tcctataagc tcatgtgcat gataagttca caagggattg attaatctgt ttacctaaat 360

gtcacacggt ttrcatgatt acgggtattta tacatcagta taatcatacc taatgagtga 420

<210> 18782
<211> 482
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18782

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acctccatc ttttatggag tgggttacca ctattggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttcccctctat 180

agtggccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataacttaa aggccaaaaa tattattaca tctaccctan gaatagatga 300

atacttagg gtttcaaaat tgaaaagtgc taaggatatg tgggataccc tacaagtaac 360

acatgaaggc acaacaaatg ttaaaagatc taggataaac acattaactc gtgaatatga 420

actggttagg atgaatgtaa atgaaagtat acaagacatg caaaagaagt tcacacacat 480

ag 482

<210> 18783
<211> 323
<212> DNA
<213> Glycine max

<400> 18783

acactataga aactcaactt gaaccctact tttgaaatgt attattcaag gaaaatttctt 60

ctttgaacag caatgaccat caatatgata tttgtaatct tacagagcaa cctgaggatc 120

taaaaggtgg ttcttttgtt ccccatcagc ttgaggcact gaactagttg cgtaaatgct 180

ggtataagtc caaaaatgtg atacttactg atgaaatggc gcttgcaaaa acaagatctg 240

cttgtgcttt tatttcatca ttgtattttg aattcaaagt ttcacttcct tgctaggtct 300

tggtaccact ttctaccatg cctaattg 328

<210> 18784
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18784

actaagctta agaaatatgg cctcatcaaa ctacttgttt cccgagggaa attttataaa 60

tagacttccc atctttaatg gagtgggtta ccactactga aaaatccgca tgcaaatctt 120

tatagaggca atagatttaa atatttggga agccatagaa caaggacctt atgttccctc 180

tatagtggcc ggaagtgcaa caatagaaaa acctagagca gattggactg aggaagatag 240

aagattagta caatataatt taaaggccaa aaatattatt acatctgccc tangaataga 300

tgaatacttt anggtttcaa attgtanaag tgctaaggat atgtgggata cactacaagt 360

aacacatgaa ggcacaacag atgttaaaag atctangata aacactntaa ctcgtgaata 420

tgaactgttt angatgaatg taaatgaaag tatac 455

<210> 18785
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18785

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aatatgatca ccatcctgaa tctctagcag tcttctacac ttatcttcat aaggattatg 120

tgtactatgt gaagtttttа tgctatcttg aatcaactta atcctctctt cggtttgttg 180

caagaatctt ggggccccac gaccatattt gcaccatctt ggtaacaaca aaggggtggt 240

ctacacctcc taccatataa agtttcaaat ggtgtcatgc caatgctaga atgaaagctg 300

ctgttgtacg tgaattccac caaagggcaa acctgatcct atctacctag atgatcccac 360

acacatgctg gcaaatattg tctaatgact atatcgtcct ctcggatt 408

<210> 18786

<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18736

[illegible]

ttttatctacc acaatcagag atcaataata gactttgaaa aacaagcatt ataaacatct 240

tiactacaac catcaagcac aattcacaag tacaaatatac ttaccaaatc aataatcatc 300

aaatcataca caaagaanat cattaagccg caatgtacaa ccattatgat tgttcaaaaca 360

caaacaaaga taatcattga caatcattca atcattatga ccatcaaaac acaaacacaa 420

tcataaaaaa agaanatata aattaacaat 450

<210> 18737
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18737

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tacagtggcc aaggatgctt gggagatcct gaaaaccact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tattggccac aaaattcgaa aatctgaaga tgaaggagga 180

agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gtgagagagg atgacagatg anaagctggt gcgaaagatc ctcagatcct tgcctaagag 300

atttgacatg anagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360

tgaaatcatt ggttcccttc aaacctttga gctangactc tcggata 407

<210> 18738
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18738

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accatttgaa tttctcgaga gctttcgttg ttcaattttg agcgtcttcga tatattatgc 120

gcctgaatcg gaccttcgag ttaaaagtta tgaccatttg aaattcccga gagcttccgt 180

[illegible] 240

ccattgttca atctctagcg tctcgatata ttatgcgcct gaatctgacc tccgtgtgaa 420

aaagtatgac catntgaact tctcgagagc tttccgttgt caatttcgag c 471

<210> 18789
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18789

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ggaagtccga ttcaggcgca taatatatcg agacgcccga aattgaacaa cgaatgctat 120

caagaaatta aaatggtcat aacttgtcac atggaagttc gattcagatg catactatat 180

ggagacgctc gaaattgaac aacgaaagct cccgagaaat tctaatggtc ataacttgtc 240

acacggaagt ccgattcacg cgcatactat atcgagacta tcgaaataga acaacggaag 300

ctctcgagaa attcaaatgg tcataacttа tcacacggaa gtccgattca ggcgcataat 360

atatcgagac ggtcgaaatt gaacaacana tgctctcaag aaatagaaat ggtcataact 420

tgttcacacgg aag 433

<210> 18790
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18790

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tttgaatttc tcgagagcat ccattgttta atttcaagtt tctcgatata ttatgcacct 120

gaatcagact tncgtttgaa aagttatgac catnttaatt tctcgagagc ttccattgtt 180

caatttcgag cgtctcggta tattatgcgc ctgaatcaga cttncgtatg aaaagttatg 240

accatttaa tttctcgaga gcttncattt gttaatttca agctctcga tatattatgc 300

tatgaccatt tgaatnttc gagagcttcc gttggtcaat ttcaagcttc tcgatatatt 451

atgc 484

<210> 18791
<211> 406
<212> DNA
<213> Glycine max

<400> 18791

taagcttcca attttttaag ttattcctca aaactgtcct acgcaaagtt cccaaagtcc 60

tattaacaac ttccgtttgc ccatcggttt gtgggtgaca agtggttgaa aacaacaatt 120

tagtgcccaa cttgctccac aaagtcctcc aaaaatgcaa atcatcaagc ctaggtatag 180

gatgcctata tttaatggtg atgttattaa gggctctaca atcagaacac atgcgccatg 240

tcccatcctt tttagggacc aaaatcactg ggacagcaca aggactcata ctatctctta 300

cccaaccttt gctaatgagt tcatccactt gtctttgaat ctctttggtt tcttgtgaat 360

tacttctata ggctggccta ttgggcaaag aagctctcgg aatgag 406

<210> 18792
<211> 411
<212> DNA
<213> Glycine max

<400> 18792

ttagcttatg acttttatta caagccttta tagagaatgt gggaaacaca aattaaataa 60

aaaatatata acgacttata aactagatgc atttatcata aaacatcgct atctaccatg 120

ttatatttta tataaagagt attaaaaatg cacaattaac tattttaacc ataagagtaa 180

cgtaaatcag ttataaaggt gttcacaatt taaaagctga tatatatcag acgaaaccta 240

tttggtgtat gtatttggga aatttcattc ataatagttc tttgctaaat gcaatcatgt 300

tagattgtaa agcaaaagga aagaaaaaca ttatttataa aaatatataa gagtcaagct 360

aaaagacaag tagtgataga tacggaattt tgcaatgaat tacggtataa c 411

<400> 18794

agcttcaaga tttatggcct catcaaacta ctttgttccc gagggaaatt ctatagatag 60

aactccaatc tttaatggag tgggttacca ttactcgaaa actggcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

aatagccgga agtgcaacga tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300

atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagtaac 360

acatgaaggc acaacagatg ttaaaagatc tatgataaac acc 403

<210> 18794
<211> 213
<212> DNA
<213> Glycine max

<400> 18794

ggaatcggac ctcagtgtga caagatatga ccatttttaat atccttatag caaccgctgg 60

acattatcca gtgtctctat atgtgatgcg ccttaatcta acatccgtgt gaaaagttat 120

gagcatatgg atatctcaag agcttccgct gaacaatttc gagcctctcg acatattatg 180

cacctgaatc ggacatccgt gtgagaagct atg 213

<210> 18795
<211> 485
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18795

tgaccttcat tcucaaatcc ctcatgtaag actacaatcg attagatag ttctcttagg 60

tttagactaa gtttaactga gtttcatctg tagatcctc atgtaagact agactcagct 120

caagtagctt actaaagttt agcctaattt agcctaagct tcgtctgcga tggtgtagtt 180

tttaggaggg gtnggcttgc ggtggtggcg gnggacagtt ttgatgatga gggtgaagaa 240

[illegible] 360

tggcnggagtc ttggntgtga atctcaagca ggcctcccca cagatcccta ctgtggaatc 417

taatt 485

<210> 13796
<211> 417
<212> DNA
<213> Glycine max

<400> 13796

agcttgtgtt tttaatattc cattgtatgt acaaattatt gaaatatttg ccatttaatt 60

tcatttcaaa gcacattgca gaatttcaat gaaaagtgac ttgttattac aaatagaaaa 120

gttatatttt gtttaattac aattcaaaaa tattattcat ttttgaaaag taattacaaa 180

tataccttct ttagaagtaa ctcaataaaa cttctcaaaa taatcagaaa tatatttttt 240

caatttttct ctcaaaatat caaatgaata cattaaatat tttaataata atattttctt 300

tttcaaatga aaaataactt ttcataaaat ataaattaaa cagacggact tgtaattaga 360

gatattgtcc gcctttagtt taagcttcag agtcattaat ttatgttcat tatgttc 417

<210> 13797
<211> 315
<212> DNA
<213> Glycine max

<400> 13797

ccattgctac caccaacttt aggttctacg acttcaagct taagaagaat tgggtcagct 60

atcactttgg tcaagacatc attgacagaa tcaaagtaat gatcaccttt cacaaggttt 120

gttcttgaaa actttttaac acccaggaaa agaaaggcca ctaaattttt ccaactctaga 180

gaaccttgat tctttagttt ctccaagttc taacctttcg cgaataaacg aggccaaaca 240

gcttcctaga agatatcatt acttttggct ttgcacaaat tggtatcccc cagtcaaatg 300

cttgattata tcact 315

<210> 18798
<211> 444
<212> DNA
<213> Glycine max

<220>
<221> misc_feature
<222> (1)..(1744)
<223> unsure at all n locations

<400> 18798

tngctggaga aactgataac attatgctta ctggtgaaag cttgagatat agtactgatc 60

aattgtactc ccagaagaga ctcataaagg tctcccttaa ggcgcttggt tctgcaacat 120

angcgcctgc aaaatctacc agatctcaac attctcaaga cagttcatta cctgtaactc 180

taagattgat tnttcagaat gtagataagt ttggaggtga catttattat tcagctggta 240

ctggtatgag cgatataatc cacanagatc caacctgttt ttctgcttng catgaaat 298

<210> 18799
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18799

ttgatgcttt agttngatat ctatcanaga cattaaaaaa ttatttataa ttggttcaca 60

nacaaaatgc aaggctgcta ctaggtggat tggtgttaaa gtaagtcatt taaacaatgc 120

ttctaatttg tattttatta ttgtgtagac taatttgtac ttaacattga atatccaaat 180

ttcataatgt atctagtgta atagacaaaa aggaatcact gaatgcaggt attacgttat 240

gcactggatg tcaactataa tcttagtaag tttcaagaat aattgtgaaa agataattgg 300

ttaattcaca catatnntca ttttttgtaa ttgatattat atattattaa cttatgtctt 360

attatatcat gcagtatttc aatgatgcta gaccattaan accagagaga ttgaaggcac 420

ttcgcatcta gtgggcaaac tact 444

<210> 18800
<211> 408
<212> DNA
<213> Glycine max

<220>
<221> misc_feature
<222> (1)..(1744)
<223> unsure at all n locations

<400> 18800

<400> 18800

agcttattcg ttgccccttg aattgattgc caagctctgt tcgttcatga atcctccgcc 60

gaattgattg cctaacgctg ttcgtgcatc ctccatcatc aaatcttatt cggagcccca 120

[illegible]

[illegible]

[illegible]

[illegible]

ttgtgcatcc tttaccatct tattcttagc cccatgaatt gattgttgtt caacgcattt 360

ccaccattga gtccgaagcc ttacgaattg actgccgagc tctgttca 408

<210> 18801
<211> 372
<212> DNA
<213> Glycine max

<400> 18801

agctttgaaa ttttttaaat gctattaact cttcactcgg atgtccgatt caggagtatc 60

acatattgag acgctcgaaa ttgaacaacg gaagctctcg agaaattgaa atggccataa 120

cttttcactc ggatgtccga gtcaggtgca tcacatatcg agacgctcga gattgaacga 180

cgggagctct caagaaattc aaatggtcat aacttttcac tcggaggtca aatccacgcg 240

cctcacatat ccagacgctc gaaattgaac aacggaagct ctgcagagat tgacatgcta 300

atcaacttttg actcggatgg tcaattgatg cgcatcacat atcgagacgc tccatattga 360

acaaccgaag ct 372

<210> 18802
<211> 379
<212> DNA
<213> Glycine max

<220> Unsure at all n locations
<400> 18802

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cgctcatgtt aaacaaggaa agctggatgc aagggttgca aagtgtgtgt tcattggcta 120

tcctaaaaaa gttaaagggt acaaactatc gaaattgaaa ccttggtgaga caagatgcat 180

cattagtagg gatgtaacct ttgatgagag cagaatggca atgctaagca aggagctgaa 240

ggataacagc tcaagtagtg agagtaccaa atttgacgtg gagcattcta agatttcaga 300

tcatggcagt ggagatgcta ttgatcacac tgattaagca gaaactggag ataatgaaga 360

[illegible] 374

<211> [illegible]
<213> Glycine max

<223> insure at all n locations
<400> 18803

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tcccttggtt gtattgtatg attcaggtgc gactcattca tttatttctc gtgtctgtgt 120

tgaaaaactt gccttgcctg tgtcttcctt gaaattttac ttgattgtga atacacctgc 180

tagtgggtct gttntaactt ctgatgtgtg tttgcaatgt catgtcttaa tttctgatag 240

acaatttctt attgacttag ttgttctacc tttgagtcag attgatgtta ttcttggtat 300

ggactggtta tcttccaatc atgtcttatt aaattgttnt gagaaatctg ttggctttct 360

tgagtctggt gtgagtgaaa gtgatatgt 389

<210> 18804
<211> 454
<212> DNA
<213> Glycine max

<400> 18804

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taaggaattt ttttagaatt atttaattcg agtaataatt tttttgttag aatgaagtat 120

caatgtctag tttaagttta atagtgctag caaatagatt tatttatttt tatcattcac 180

aaaatatttа attgaagtaa taattgtttt tttagataaa aaattaatat gtgaagttta 240

agcgtattaa tttttgtaat taggtttttt actttgaagt ttttttaatt atgtttaatt 300

atttacaagc cttacaaata tttacctgat tcccttctag ttttttgaag ttagaatgaa 360

atttgaatct atattttaag ttaaagttag tagatgaagc aacaaaatac agttatttat 420

ttaaaaacta ctcttgttat gattaattat tttt 454

<210> 18805
<211> 410
<212> DNA
<213> Glycine max

[illegible]

[illegible] 120

ttaactatga cattgagtgc attggagagt attgagatgg attggaaaca tgatcttatt 180

aacacttaat aaaggattaa ttcatcatga ttgatgcaac cctacccccc aagggcattg 240

gatagaagac tccaagaaga ttgngccaga caggcaagag aaggccctag ggttcttatg 300

acctttaggg tagaatttgg gcccatgggc taagtatgag cccacttatc tttgtacata 360

ttagattang atttcattat ttttgggcct tgtatttang gttctataat 410

<210> 18806
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18806

nggttaacaa tatcctttat ataatataaa tgttaattaa tatcttanaa atactagtta 60

atgaacttaa agttgaaata cggaagataa acaattacaa tgttcatatt ttttatgatt 120

tatgcattta atattcttat tcttttaatt ccttaactaa tatctagaag cgctaattaa 180

caagaaccat ataagtaaac caatgagtaa ctaacaatcc cgttataaaa aaaaaggtta 240

tcatcatgtc ttttttggac taatcatatc atcctatgat ttcattcgac aaataataaa 300

gttaaaaatg aattgaaatt aaaatacata ggaccgaaaa ggagttatga gttaatatat 360

ttaattaaga cacatatctg ttaacaaaat tgatacagca tgaatgaata atgcgtctca 420

gcgaacaaaa tcttgatggt t 441

<210> 18807
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18807

agcttgtagc attatgcana ccattantaa cttttagctc gganatccga nggagnnccc 60

[illegible] 120

[illegible] 180

[illegible] 240

aacttttttac tcggatgttc gattgagtcc cgtaatatat ngagacgttc gaaatttata 300

acggaagctc gtagcaaatt caaacgacaa taactttgaa cttgga 346

<210> 18808
<211> 418
<212> DNA
<213> Glycine max

<400> 18808

actcttctga ctcatgatgt agatccatgt ctttcttgag tattcatcaa ttatggacaa 60

aaaatacctt ccaccaccta tagaagatac tcttgcaggc ccccgatagt caagatgaat 120

gtaatcaaga gtctctttga gggtgtgaat tgctttatga tattaaatcc tatgttgcta 180

gccatataca cagtgctgac ataatttcag ttcatccaat ctttgatttc ccaacagttg 240

ctgtttttga agtatcatca taccttcttc agtcatatgt cctagcctca tgtaccacaa 300

ttgagtttag tcaggtatgc ccttattgga tcttgatgga acagttacta taccatcatc 360

aatacatgtt gtaccttgaa gtatatagag attacccctc tttataccct tcatcacc 418

<210> 18809
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18809

ttagcttcaa gactaatggc cttagcaaac ttcttattcc caaaaagaaa ttcaatanat 60

aagcctccta ttttaatgg agagggttac cactactgga aaacccgaat gcaaattttc 120

attaaggcaa tagacttaaa catttgggaa tcnatacnac ttaaacctta tgtacccacc 180

atggtggcta gaaatgcaac aatagagaaa cctagagaat agtcgactga agatgaaaga 240

agattagtgc agtacaattt aaaggctaaa aacatcatta cttctgccct aagaatggat 300

gaatatttnta nggtttcaaa ttgtangagt gctaaggana tgtgggacac tctacaagtt 360

<210> 18810
<211> 441
<212> DNA
<213> Glycine max

<400> 18810

ntgggacgc ttactctgga tanaactaga tcatgatgct cgctccagat gagnagaaaa 60

ggacattcgt cactaaaagt accaattttt gttacaaggt catgcccttc ggctttaaaa 120

atgtaggcgc tacataccaa cgattgatgg accaagtctt taaacaatag attggacgaa 180

acatcaaggt atatttggat gacatggttg tcaagtctca aagcatagtc caacaagtgg 240

tagacctgga agaagtcttt ggggaactcc gtaaatatga catgtacctc aaccctaaaa 300

aatgtacttt taaggtgggc ggaggcaagt ttctcggctt catgatcact caccagggga 360

ttgaagccaa cctcgacaaa tgcactacca tactagagat gtgtttcccg accaacgtcc 420

aagaagtcca taaactgaac 440

<210> 18811
<211> 391
<212> DNA
<213> Glycine max

<400> 18811

attgaattat ttaacatgcc caaaataagt tctctaatcc ttatgaatct ttataattgc 60

atatttacata atggagaccg gataaactat atatgaattt gcaatttatt atgtctattt 120

cttcttacta atatagcaat atacctaaat ttcttcttga aaaaattagt gcatgacaca 180

ttaatctcca atactacaga aatattattg tatttagttc ttaatatcat aaattgcagt 240

catataaaac atggtacact ttacgtttca aaatgactaa tataaccaat atttgattgt 300

ttttaaagat taacgtgaga atttatatgt ttaaggatta acgttttata anaatagata 360

tggctgctcg gcggttactc tangtcttaa c 391

<210> 18812
<211> 460
<212> DNA
<213> Glycine max

gatttgtagg cagtggcagt gaaattaacc tcaactatat accaaaggat atccacctca 180

tatgccgctt ggggctataa tctacacata aaggcacaac taaaaatcta ttgaggacca 240

cgtagagaaa ctaaagccac caataagtgt aaaatgctca gatcaaagat agcccaccaa 300

taaaaatgag atttttatta tatatgtatg caaaattatg aaaggaaagg tatatttgtt 360

tgataatcct agctgtcaag gaatttactt ttataaccat tagattaaaa aaataagagg 420

tgatataagg agtaacaaat ttgtctagat ataaaaatat 460

<210> 18813
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18813

acaaccggcc agaccctgga gaacaatcta gntcacactc caataataag ggcacctgac 60

tggagtaaag agtttgagct catgtacaac gctagtgact atgcagtagg ggtagttctt 120

ggacaatgga gagagaatgc attccatgcc atttttatgc tagcaagatc ctgaatgatg 180

cacaactaaa ttatgcaact actaagaagg agatgttggc cattgtgtat gccttataga 240

agatccgagc gcacttaatg ggctccagag tcattatctc tactgatcat gcatcaatca 300

tatacctttt cac 313

<210> 18814
<211> 387
<212> DNA
<213> Glycine max

<400> 18814

acttctccaa cccttgacct gacttcttgg aaagcctttt cacagcaaac tctgggccat 60

ccttcagtct tccctgctaa ccaaattgtt agaaatattt tgagttagga aaacaaacat 120

ctatagttgg ttttccatat cacattgtac acaggtccaa agccaccttc tcccaatttg 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 387

<210> 18815
<211> 417
<212> DNA
<213> Glycine max

<400> 18815

tcaagaataa tggcctcagc aaacttctta ttcccataag gaaactctat aaataggcct 60

cctattttta atggagaggg ttaccactac tggaaaacta gaatgcacaa tttcattgag 120

gcaatagatt taaacatttg ggaagccata gaagttggac cttatgtacc caccatggtg 180

gctggtaata caataataga gaaacctata gaagagtggt tggaagatga aagaagatta 240

gtgcagtaca atttaaaggc taaaaacatt attacttctg cccttggaat ggatgaatat 300

ttttagggttt caaattgtaa gagtgataag gatatgtggg acactctaca agttacacat 360

gagggaacaa ctgatgttca aagatctagg ataaatactc ttactcatga gtatgaa 417

<210> 18816
<211> 469
<212> DNA
<213> Glycine max

<400> 18816

taacaagatt tcggtgctga agtttagcaa tcagtttgac ttcattcttg aactctgtca 60

ttccttgtcc cgagcctctt gagagcctct tcacagcaat ttcttgtcca cttactaatc 120

ttccctacaa aataaataaa taaaattggaa taatcttaat cacattgaca ctttttgagg 180

tctttttcct aaaacgacaa agaagattga atcaccttgt attactggtcc aaaaccacct 240

tctccaatct tgttgtttat tcagaaattta tcaatggcaa tgactattgt ttaaaaggtca 300

agtaagggga gatcgatatt ttcttcactt cctccctat tttgatcacg tacaatatct 360

gaatactctg ataaaatgga acaatggctt caatttagtt aaaggcacaa tgtatatgat 420

agtttagtca agtcaataac tttgcagcat tacatctttg 460

<211> unsure at all n locations
<400> 18817

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ttggatcatt cgtggtggtg gt atggttggag gcaaggttta caacaaattt attatcacaa 120

aacaatatca cagaggacac atcaatttca aagtgaagaa gtaacctttt caaccaaaca 180

acttcactag taacaaaaga caaagcacaa tattcagcct cagtggacaa tttagaaaca 240

attgattgtt tcttagaatg ccaagagaga acgttgtttc ctacaaatac acaaaagcca 300

gaagtggacc ttctggtatc aacacagcta gcccaatcag catcagtaaa ggcaatgagt 360

ttgagagagc tctgagcagg anaaaataag ccttgtccgg gagcatattt gagatact 418

<210> 18818
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18818

actcaagctt actaaaacag gagcatatct cttctcagat cctactctat atatatcagt 60

agttggagct cttccaatact ccaccataac cagaactgag ctaagttttg ctgtaaacaa 120

agtctgtcaa ttcatggtca tactcttgaa actcactgag cagtagtgaa aagaattctc 180

aagtatctaa aaggctcttt acaccatggc ctacttctca nagctgctac tccaggaatt 240

accattccta ttaaggccct atgtgatgca gattgngctt ctaaccctga tgatcacaga 300

tctactttag gagctgctat ttattttggt cctaacctta tatcttggtg gtctaagaaa 360

caacagattg ttgcaaggtc aagtactgaa gctgagtatc gaaacctatc tcaagctaca 420

actgaagtaa tgtggattta ttagaattct aacagtatca taaa 464

<210> 18819
<211> 406
<212> DNA
<213> Glycine max

[illegible]

[illegible] 120

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aacgaccccg aactggtata tcgtcatcca tatttggtac cagaatactt ttagcaacac 240

aaaatccttg gacatcggca aaaaaattat tccagccact ctctctcatt gtgcccaacc 300

gaagctttgca acatcaacta attccatggc attcacaata ttaagatctt ntcttcgcaa 360

tatatctgaa agctcgtttg tttgctatga cctgtatcac gcacaa 406

<210> 18820
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18820

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gaatatcgtt aatggaatac aatcttactt aaaatggata aaattattat agaagatatt 120

tataaattaa tagggtattg ggattcatga ctaactatca gtattattta ggacgtattt 180

cactctatgg agtgaaaaaa attatgtaaa atgagaagta attatggatg tgtctattat 240

taatataaat aaaatatcct ataaacagaa tccaattaaa ttaaaaaaaa taaaataaat 300

gcacattttct tttcactctg tacgcgcttc tcacctttta cagcaaaata gaaaatctaa 360

aattaattta ggttgaaagt agtagttcta atttaaattc agtgatatct aaagtgataa 420

agttaatctg tcgcttacct 440

<210> 18821
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18821

nttaactgaa tttgcaacgt tctaattgtt ttttaaatgg tgtaatcgat tacaatatat 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

gtttccaaac cttgttcttt 440

<210> 18822
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18822

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gaccncaagg tgatggcact cacattcttc ggattntgca ccatttgtga aggcaatttg 120

ncagaatttt gggactgagc ttggttcaac tgagtagcca tctgccccat ctgatttatc 180

agacnctaaa tagaggctct tgtctctntc tgaaattgca tattctggat agtcatttgc 240

ctcactaact cctctaagga aggttgagaa aagggcctca gttgcttgtt gtctttgttg 300

gtggtgctgc attggaggag gaacatatgg cctgcttgga ccaacaacat tctggaaggg 360

agggacaggc t 371

<210> 18823
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18823

[illegible] 60

caaaacatc aatatccacc actccttcag taggtctgcc cagatatttg ttgatcaccg 120

caggggagaa tctaacacac tttcctctga caaacactct ttgataatca tcacttttttc 180

tgtttgttat gtcagaggga atgttgacaa taaattcccc gactaggctt tcataacagt 240

[illegible] 300

[illegible] 360

[illegible] 420

[illegible] 480

<210> 18824
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18824

ntaagctgag tcacattggg ggttccagtt aaacctgcgc tgtgtatata cctcattatc 60

aattggccta gtatcaacaa cgttatcaac tgtttgaatg ccctccaaaa gagttggttg 120

anaactatca ttacttgaag gcagatattt atacacgact aataatccaa gagtgaatat 180

agcttgcagc ttcgtagagt ccccttgaac tgagaagaat atgagcatgg cacgtatgaa 240

cagatccaca cagagacgca tgatgcatat tacagtgtct attaacctcc catcgttgcc 300

tgcggggaag ccacgaactc gatacacaaa cagagtattg tacttgtcaa ccacatatct 360

atacccaaaa taaatggcac caacaggaac cacaatggga ttaaatgaac agtatactag 420

agtcagggct aatattgtca aattaaaggc gtaatactgt gc 462

<210> 18825
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18825

taggattaaa gttcagaaac ttaagagccc aacaagcttt atgctctagc tctatgggta 60

ggtgacaatt ttatcaaaca caagtctata aggagacata ccaatgagag ttttaaatgt 120

tgtcctataa gcccaaagtg catcatctag tttaattgcc caatctttcc tagatgcact 180

aactgttttt tcaagaatta ttttttaactc gctattggac aattctattt ggccactagt 240

ttgtgggtga tatggggttg caagcttttg agtcacccat atttagccaa gaggccatca 300

tacaacttat tacagaagtc agtgcctttg tcactaatga tngctcgagg tgtgctaaat 360

ctngtgaann atattttctt tnaaaagttt ttaccaccag agaatcatta atg 413

<213> Glycine max

<223> unsure at all n locations
<400> 18826

agcttagtcc tcgttccacca gngacctgaa ttgaatataa gaacatcaga atcaatccac 60

ttgtggctaa tatcatcaat cttgtccaat ctcagtgcag tcttcaccct ttggggagca 120

tgtctaggca cagaaccagg cctcaccagg aacactgatc gataaaaatc gattctaaca 180

tcaaaagtac taaacctcac acctaanaac cttatctgtt ttgtgatctt gttgcctttg 240

atttcataga cactcttctt atcctcaact cctgtcatta gcaaacatat catggactcc 300

cattgcgtcc tactcaaaga atcgccgacg aanaccaccc ttttcccacg aagtcgttcg 360

agtattccac ggacatcaaa ccttggaatc tcacagttc 399

<210> 18827
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18827

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ttccctaata gatggtgtct catctcacct tttctccttt atcttacgtt acaacttcat 120

ggctgaaaat caccattgaa ggaactcact gaagctcaaa gattcagcct ccatagaatc 180

ttctcaagca agcttccatc aaaaagtact gaacacaact tgctatgttc aaaacagaat 240

attgataaga ccattgatca aaaaaactcc ttatgaacta tagagtggaa gaagacctaa 300

tatttcatac tttcatcgat ttggatgtga gtattttata ctgaacacta gatatcaact 360

tgcaaagttt ggttcanagg tggataaaat aatcttcctc gaatgcttta acacatctaa 420

agcatacaaa gtgttaact caaaaactt 449

<210>	18828
<211>	367
<212>	DNA
<213>	Glycine max

[illegible]	1

agacagactc ctacctctcc gtattaaatc atgaaagggg agaagccaac tgtcaagctc	181

ttctacatct ttgagaagtc cctgttacac tttggcgaat caagatctaa tgaaaaagat	241

cgatccaaac agtgaaagtg gactatttct gggatactct acctacagca gagcatatag	301

agtatacaat tccataacca tagcagcgat ggaatccatc aatgtggttg ctgatgatct	361

gctctca	367

<210>	18829
<211>	445
<212>	DNA
<213>	Glycine max

<400>	18829

taatggcctc attagtctca gtcttaggtc caacagcttg aggtggaacc ttccaactga	60

cctactttcc cttccttccc tgcgctttgt atatctccaa cacaacaact tctcaggtgt	120

tattcctgat tctctgccac cacggcttat ctttcttgat ttgtcccata actcttttac	180

aggacaaatt ccagcctcaa tccaaaactt gacacatctg ataggattta acctccaaaa	240

caactctctc acaggaccta ttcctgatgt taaccttcct agccttaagg atttggattt	300

gagcttcaac tacttgaatg gatctattcc ttcaggtctc ataagtttc ctgcctcctc	360

atttagaggg aatttgatgt tatgtggagc acctttgaaa caatgttctt cagtttcccc	420

taataccaca ttgtctccac caaca	445

<210>	18830
<211>	439
<212>	DNA
<213>	Glycine max

<400>	18830

tgtggttttc tcacagatag gacatgcatg atgccttttc acactgtatc cacttaaatt 60

tccatatgct ggaaaatcgt taatagtaca aaacaccatg gcgcgtaacc tgaacatctg 120

ttgcacattt gtatcccacc catctaccgt ttcttcccac aatttttttca aatcttcaat 180

[illegible] 240

[illegible] 300

gcaagagcaa gccttaagtt ccttggctcg tccccaaact ctggatacaa atgatcaatt 420

gtcttccact gtggagaat 439

<210> 18831
<211> 461
<212> DNA
<213> Glycine max

<400> 18831

tctcttgatt cttgaatctt cttgatttct tctcatgaaa cttgaaattt atcttgatct 60

tgaacttgtt gactaaatct tgaaatcatt ctttggggtt tttgtcgtca tcttagtcat 120

catcaaaact tcttgaatca acttgattca tcatcatgaa gcttgcttct acacttaacc 180

cccaagacca aaaaccaact agcctgagag gctaggaaaa aagagccacc agtccctcta 240

aaagagcccc catatccttt agttccatca aagaagaata aggagcacta cttcaagtgt 300

ttattggaga tattcaaggg gttggagata accatgccat ttggggaagc cttacagcag 360

atgctgctct acaccaaatt catgaaggac atcttcacca agaaggggaa gtacattgac 420

agtgaaagca ttgtggtggg aggcaactgc aatgcagtga t 461

<210> 18832
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18832

agcttgccgc ttctgagnna nactactatg tttcttgngn ggngggaaca gcnacaaaag 60

gatagagcaa gaaatgaata gccaatggtt gatacatgga cggaaatgag aaagatcata 120

aggaagcggg atgtgccggc tagatactgc aaggactttga aattcacttct ccgaaatcta 180

acaccatgca acaaggaggt tgaggagtat ttcaaggaaa tggatgtgct gatgattcaa 240

gtaaaatattg actaagatga cgaggcaact atggcttgac ttatttaatgg tttgactaat 300

[illegible] 328

<210> 18833
<211> 328
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18833

ctcacaaattt tcccaaaaaa gaagtttaaa gatgtgggaa gccttcatcc accttgtggc 60

atggtataaa agtgtgccat cttgctaatc caccaccata nagatagagt ctacacctct 120

ttgggtttcta tgaagcccaa tgacaaagtc catactaatg tctacccaag gtgcanatgg 180

aatgggtaag ggtgtgtata gcccatgagg catcacccta gacttggctc gtaaacaagc 240

cccactccta gtgcaatgct tatggacatc tttcttcata tggngccaat aaaacttctc 300

tttgagtaag acaagggtct tgtctatc 328

<210> 18834
<211> 442
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18834

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tttggggagt agtgggacca cagagaatgt ttaccaagga tgggatttac cctgngatga 120

attggttttt cctgattggc ctacttgctc ctgttccagt gtggctgctt gctcgcanat 180

tcccaaacca taagtggatt gagctcatca atatgccctt aatcattgct ggtggtggtg 240

gcatcccacc agccagatcc gtcaacttaca taacttgcgg atttgtggga atcttcttca 300

atttctacgt ttacagcaag ttcaaaggat ggtgggctag acacacttac atcctctcag 360

ctgctttaca tcctggtgtt gctttcatgg ctgtcattct ctattgtgcc cttcaaaatt 420

atggtgtttt tggtccaata tg 442

<210> 13835
<211> 394
<212> DNA
<213> [illegible]

[illegible]

cctttgctac tcatnaaaaat ataaagttat ttcaaatgga cgttaaaagt gctttcttaa 120

atggctttat tgaagaggaa atatatgtca aacaacctct tgggtttgaa gatcatactc 180

ttccagacca tgctttcaaa cttaaaaaag ctntgtatgg tctaaaacag gaaccacatn 240

gctggtgtga cagactgagt tcattttctt tagaaatggt tntattaaag tcaaagtgga 300

tacaactctt tctaaatgag aaagtggcan agatttcatt atagttcaaa tntatgttga 360

tgatagtatn tttgaagcta ctaatgaatc tctt 394

<210> 13836
<211> 428
<212> DNA
<213> Glycine max

<400> 13836

tatgaggtcg gttatatatt cctttctttca ccctatttga ggtctctttt tcctttcata 60

agagaaaaat tgtaaatttt tagtctctca tttatatata taacacaatt tcatacaaga 120

gaaattaaaa agacattgat ttatttctga aggattggaa gctaacattg tcttgtacta 180

aaactatatt tgacaccttt tattgcatga tcgctttctc taatatagaa tctaagttag 240

tgtattggtt tagtgcaggt tctgagtgat ccccagaaga gagcaatcta tgatgaatat 300

ggagaagaag ggcttaaagg gcaagtgcca cctccagatg ccggtggcca tacattcttc 360

caaactggag atgtgccaac aacgttcagg ttcaatccaa gaaacgcaga tgacatcttt 420

gctgagtt 428

<210> 13837
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18837

agcttgtttg ttacaatgac attgactggg ctagagatga agatgattag aaaagtacta 60

[illegible]

[illegible]

[illegible]

agatttttgt cgataattaa taagtcagtc attgctctag caaagaatcc aatgttccat 300

gatcgaagca nacatattga tacccgttac cactacataa aggagagcac aacaagaaag 360

gatgtacatg cangatatgt gaagtctcaa gaccaagtag ttgacatc 408

<210> 18838
<211> 306
<212> DNA
<213> Glycine max

<400> 18838

agataaatag taaaaaagtg ttttaaaaca ttgagtagca caagaatttt tcacaaaatc 60

ttttaccaaa gagttctact ctctggtaat cgattaccag aaggtagtaa tcgattacca 120

atagccaaca ttgtttttaa aactgattta caaagttgta atcgattacc atgagcatgt 180

aatcgattac caatatttta aagcgttaga tatcaaatgt cagaagtcac agatagtgat 240

agaacatttt caaaacagtt taaacttgtg taagcgatta cacaatactt gtaatcgaat 300

accagt 306

<210> 18839
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18839

tatcatgatc tggaaaagta aaacaatgtc agttatatag tttagataat catgattata 60

tcagtaattt cattgcctcc aatatcatat aaagcattta gtataatata taacaatata 120

tggtaacata tgagagttaa aagcttacaa acatacgctt acaagtcatt ttcatatatc 180

acaaaattga agataacatt caatggttca tcatcaaatg ttgcatcata ttaatataca 240

catttttgaat aggcaacact tgcctctcag tcaaaatgca ttttcagcaa ttggatgtta 300

tctctaaaaa agttaagatt gtatcagact tagtagcaca ttcagcagca tgacaaaaga 360

[illegible] 420

[illegible]
[illegible]
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18840

ntgctacttn tatatcgaga cgatcaaaat tgaacaacgg aagctctcgt gaaatttaaaa 60

tggtcataag ttttaactcg gatgtccgat tcaggagctt cacatatcga gatgcacgaa 120

attgaacaat ggaagctcta gagaaattct aatggtcata aattttcaca cggaggtcct 180

attcaggcgc ttaatatatc cagacgctcg aaattgaaca atggaagctc tcgagatatt 240

caaatggtca taacttttca ctcggatgtc cgattcaggt gtatcacata tccagacgct 300

cggaatngat tagcggaagc tctagagaaa ttcacatggt cataactttt cacacggatg 360

tcctattcaa gcgcttaata tatcgagacg ctcgaaattt gacaac 406

<210> 18841
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18841

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ttgaatcttc catttcttat ctatggtctt gaacacttac gaagtctacc agtggtatgc 120

taatcatgtg tatgcaattg actagatgaa actagaagga atttggtaga ttggcctaaa 180

cgatttaaca ttatttgtgg cattgctcga ggacttcttt atcttncatga agattctaga 240

atgaggattg tacatagaga tctgaaaacc tagcacattt tactagatga aaatttcaat 300

ccanaaatat cagactttgg cttaacacga gcattcttgg aag 343

<210> 18842
<211> 419
<212> DNA
<213> Glycine max

<400> 18842

[illegible]

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tgcatctggt cagaggaaatc aaatgttgtg gtcctgttta tctacggtgg atgtacccag 300

ttgagcgata catgaagatc ttacaagggt atacaaagaa tctatatcgt ccagaagcat 360

ctattgttga gaggtacatt gcagaagaag ccacttgaat tttgtcataa tacttacag 419

<210> 18843
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18843

agcttatatt cctattgtcc tatagaggca tttcattcct tctggagagt ccactagctc 60

tatgatagtt gtcacacctc tgaacatatt cataagcatc cttgtgcaag gtaagccaat 120

aaaaactaga ttgaaggacc ttggcagtag tcctctctcc atcgtaattg ccttcacaat 180

gtgaactatg gcaatgccac aatatgcttc ttgcctcccc ctaagttaca catcttctca 240

agagattatc tgctccaatt ttataaagat tgggatcccc ccacacaaaa tatttagtgt 300

ccttgacaaa cttctttttt tggaccaagt gagatcatca ngaaatgcac caattgcttt 360

gacactagtc atcttcagcag accatggcct tctacaatg 399

<210> 18844
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18844

atgcttaata atctgcataa agggtgaat gtgtatggta tgtttgattt agttcaattc 60

ttggtgcatg gatngagatc ccacattgac tatagatatg gctaaagtag aaattataaa 120

ggctggggaa atcctcacct catgaagcta gctttggagt ttgagtcaag cttatctcan 180

attcaagatc gtatgaaagc ctatcataaa tncgatattg gggcagcctc aacngtgnan 240

<210> 18845
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18845

aatagattta gttagtcact ctacttgcaa aagagagatt ttctagcttt ctaggaactt 60

agacgttgat gaactttgtt taagataaat tgaaaagtat tcttagaagc tatcttatga 120

aagatagaca ctccaaggta ctttccaaga tccttagtcc aagcaatacc catttctcca 180

cttagttgat ccttgacttg agtctccaca tttttggaaa agaacattca agatttctcc 240

aagctaattt tctgcttaga actcttgcaa aataaattca aaatattctt gatagaatgg 300

acctgctcca ctaaagcctt cataaataaa ataaggtcgt atgcaaaggc taagtgagat 360

ataagtggac catgtctaaa aagacgaata gggcaccaca ctctntggtc cacaacaaca 420

gagatcaatt gaaacatatg ttca 444

<210> 18846
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18846

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acaacatttg ttcaattgca gaaagtcatg acttcagctc cagtgttagc tcttcctaat 120

ttccagctgc ccttcattct ggaaactaat gcttccgaca ctggtattgg agtagtatta 180

catcagaatg gccatccaat agcatttttt tccaagaaac ttgcacctag agtgcaaaag 240

aaatctgact aatttacaca gatgttagca attgttgaag ctatagctaa gttcagacac 300

tacttgctgg gacacaaatt tattatcaaa actgatcaca attaatcaga tgatgatgtt 360

gatggatgga acaaccgcta cagacacctg aacaacaaca gtggttacac aggtttttgg 420

gatatg 426

<400> 18848

agtctttttg aaaagattcc taaagaagct agagcttagc tacacacacc tctctaatag 60

ctaagctcat ctncttgaga tgagaagctg gaacttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa atacatgaaa atacaaagaa nagtccctac tacaaagact 180

actcaaaatg cctcgaaata caaggctaaa accctatact actggaatgg ccaaaatata 240

aggcctaaac gaaggaaaaa tacctattct aatatttaca aagataagcg. ggctcatact 300

tagcccaggg gctcanaatc taccctaagg ctcatgagaa ccctanggcc ttcccttgga 360

tctctggccc aatctacctg ga 382

<210> 18848
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18848

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taggtgcatc agaagctcat atcatggctg aagatcaacc acgaacggtt actcttgaag 120

attattctag ctcgatcgtg ccacaattct tcacaagcat tgcgcggccg gaagttcagg 180

ctcacgtcat cacatatcct caatccttga ttcagctgat tcaaggagat ttatttcatg 240

gattgccaaa tgaagacact tacacacact tggctactta tattgaaatc tgcaacacag 300

taaaqattgt cggtgtgcca gaagatgcag tgaagctcag tttgttctca ttttctttgg 360

ctggagaagc taagaggtgg ctacactcat ttaagggana caatttgaag acttgngatg 420

aggttgtaga gaag 434

<210> 18849
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18849

[illegible] 60

[illegible] 120

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atgccatgga taagagcttg gaggaagaaa gagatgaatg aagggagaag gagagaagag 300

aacganattt tgtgctctaa atgagctctg aaatctgaag tttaatattc agatgatcaa 360

agttcaaaaa aatgcacaca tatgacctct atntataccc taagtgtcac accaaattgg 420

a 421

<210> 18850
<211> 417
<212> DNA
<213> Glycine max

<400> 18850

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caacaacaac tattggagca tggaggatat ctggtcaatg caattagcca attactgaac 180

gggaattaaa cctataaaca taaatataaa taatatatat aaacctaagt gtctaagttc 240

cataaattaa gctgtagtct ctggcttaaa acatgttagg tttgtttata caagtagttg 300

gatgtttgga gtacttcggc cttttgcgta ccatcaatat ttaagaacta agttagttat 360

gctccgtaac ttatgggctc ttaataaact atatctgcac aaaattatat atatatc 417

<210> 18851
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18851

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gttgtcgtgc aatcccttct acagcttgcc ctgcagcagt gccttgacca acccccaggtc 120

caatacaaac aagcctacg gccaaccccc cacccatcac aaaacgcagca gaaatcatt 177

aataagaatt ccgaattgaa aataatataa gttattgaac tttaccaatt gttccaaaat 60

ttatttttcc gtcttcacct acatacatna gttttttttg tgaatatgt 109

<210> 13352
<211> 438
<212> DNA
<213> Glycine max

<400> 13352

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tccaccgagt gataaatgag aaagagagct ttcttgtctc tctttcttga ctacttcaac 120

gtctccttta caccttggct tagcgaggct tcatcttgct cctcgaagcc attctctacg 180

atatcccaca catcttgagc tcctagtagc gccttcatct tgatactcca attatcatag 240

ttgttctttg tgagcatcgg cattcggaaa ggaaaacctc cattcgccat cttttgagga 300

tcttgaagct ctgataccac tttggtggaa ataaggctct ttatgtctat gaaaagcgtt 360

taggaatatt ggagactctg aatagacact tgataggaag gagaattctt tatggaggag 420

agaactttgt actttgc 438

<210> 13353
<211> 437
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 13353

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taaaggcgta atagaacctt aatguatatg attaggagta ngttaatcaa tttgacttta 120

cccctatctt tgtggatgta tgccttgaaa actctcatgt atttgttcaa tagggttcct 180

agtaaggcag ttccaaagac acctttaaac tgtggacaaa taggacacct agtataaggc 240

acctgcatgt ttggggttgc caggcagaaa taaggattta taatccgcaa gacataaaat 300

tggatgcaag aacaatcagt ggatatttca ttggttatcc agaaaatgaa aggggtatat 360

[illegible]

<210> 18854
<211> 370
<212> DNA
<213> Glycine max

<400> 18854

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atacaaaatt gtagctaaaa tactttctat ttgtcttacg aaagtgttgc acaaggtcat 180

tcatgagtga caattggctt tccttgaagg tagaaatatg ttagatggag tggttatagc 240

aaatgtgtcg aacatggatt tcctaaatta aagggtgcat tgagaccttt actatgtcgg 300

ttcttgtgaa tgggagtcca actcacgagt ccaaaaacga gacgggctcg gtggtttgta 360

cgaatgccat 370

<210> 18855
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18855

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acctggctca agaacgactt tctttctgct tttgttggct tgccttgcat agctcgcatt 120

tttcttttca attagagcct tcacttgctc atgcaacttc ttcacatact cagctctagc 180

ctgtgcatcc ttatgcttaa acatancaat gttaggcata ggcaacaaat caagaggagt 240

caaaggatta aatcgataca ctatctcaaa tggtgaacaa ttagatgtgc tatggacagc 300

ccgattatna gcgacactca catc 324

<210> 18856
<211> 419
<212> DNA
<213> Glycine max

<223> Unsure at all n locations

[illegible]

tttctcagac gataccagtg caggcggagc ccatgcaaaa ggttnggtna agatatgcna 14

gattncacca agtatacaaa tggaacccaa ccatacatgc ccccncaatta tatcttccaa 240

atcgnacaca ctaacaatcc accctttttcc cccaaaaggt gattttaata aatatccaaa 300

tataatactc ggactaatgg tcacattggt tatttttctt acatctccgc ccccnggagc 360

ccaagtatca tatatnacct ccaaatanag agccttgaat actagatgaa acgcacctn 419

<210> 18857
<211> 411
<212> DNA
<213> Glycine max

<400> 18857

gaataatggc ctcatcaaat tatttatttc ccgaagttat tttctataaa taagtctcct 60

attgttagtg gtgtgggtta ccattattgg aacaaccaca tgcaaatttt tatagagaga 120

attcttcttc ttcttcttct tcttcttatt catgagattg attaacggat cgagggtttc 180

ttaagttgaa ggaattctga acacaaggga agggttgtgc ctatgtggtt cagacttttgt 240

aaaaugcatt ttacaagata gtgaacatct caaacgggtt gtttggagat tagacgtacg 300

cacagggcat gaccgaacta gtataataac tgagtttgca ttctctcttc ccttaaaatt 360

ctctnactta ttggtctttn tcttttgcat tacagaagtt tactttgaat t 411

<210> 18858
<211> 411
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 18858

ttgcttctna caagagacta agaaatttct gacaaaaaat cttgagatga aagatcttgg 60

ggaagcctct tctgaattag gaatcaagat actaagagat cgctcttaag gtatcctaag 120

gttttcacaa gagagttata tcgataaggt cctaaataga ttcgacatga aagatagtaa 180

atcaggagat acttctatag ctaaagtttt taaatttatt cttaaatcat gttccaattaa 240

[illegible]

[illegible]

<210> 18859
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18859

tgagactttt attactatat ttttccacttc ttatctaacc ttggaaaggc tccacaaaga 60

gaaagccaat attagaaata tgtttatttc tgatgaatgg atcctaaaca agttatctaa 120

ggagcctaag gggaaagaag ttgcaaaggt agtgctcatg ccttcttttt ggaatagtgt 180

ggtttacact cttaaagtca tggctccact tgtcaaagtg attcttcttg tggatggtga 240

aaggaaaacca gccatgggct atatttatga agcaatggac aaggaaaaag aaacaattat 300

caagtctttc aacgacaatg aaagcaagta caaagatgtg tttgcaatca ttgataaana 360

gatggaattg tcagcttcat aggccattgc atgcatctac ccacttctta 410

<210> 18860
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18860

agcthttgat caattcanat ggtcataact tttaactcag atgtctgatt catgcgcata 60

atatatcgag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 120

ctttaactc agatgtctga ttcaggcgca taatatatcg agacgctcta nattgaacaa 180

cggaagctct caagtaattc aaatggtcat aactttcac tcggaggtcc gattcangcg 240

cataatatat caagtcgctc gaaattgaac aacggaagct ctcgagaaat tccaatggcc 300

atcttttcac tcggnggtcc gatttaggcg cataatatat cgagacgctc ganaatgaat 360

agcggaagct ctcgagaaat tcacatggtc ataactcttc actcggaggt ccaattc 417

<400> 13861
<400> 1446

tcggacatct tgacttgctt tccaatctga cattctcctt atattctgcc ttcttctatt 60

gtcagattgg gaatgcctct aacagcacct ttgtcaatga ttttcttcat gcctcttaag 120

tgcagatgtc caaatctttg atgccatatt ttgacttcat cttctttgga gaatagacat 180

gtggaggagt aactggtttc ttgaggtgtc cataggtaac agttgtcctt tgatctgctg 240

cnctttcatta ggacttcact ctttcattt gtcaccaagc attctgactt tgtgaagttt 300

acattgaatc cttcatcaca caactgactg atgctgatca agttcgcagt cagtcccttc 360

accagcagta ctttgttcag actaggaagt ccatcatgga ctagctntcc cattccagtg 420

atctttcctt tagagccatc t 441

<210> 13862
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13862

ttcttttgtg ttaggtatta agatactacg agattgctct tttgtatcct aaggttgtca 60

caagagagct atatcaataa agtacttgat agattcgaca tgaaagatag taaaccaggc 120

gatacccccaa tagctaaagg agacaaattt agtctcaaac aatgccccaa taatgacctt 180

gaaagaactg agatgcagaa gattccctat gcgtcgtagt agcaagtctg atgtatgctt 240

aagtttgtac tcatcccgac atagcatttg tcgtaggagt tctgggcaaa tacttgagta 300

atcctggatt gcagcattgg aaggcagtga aacgcgtaat gcgttacttg aagagaacaa 360

aaggctacat gctcacttat tagaaatntg acaatntgga gatcatcggg tactcagact 420

ctga 424

<210> 18863
<211> 440
<212> DNA
<213> Glycine max

[illegible]

[illegible] 120

ttaagtacga ctatttggta tgtcatatta tttcatgtaa actccattag taaaaagtta 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

[illegible] 440

<210> 18864
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18864

gcttgtgcta tttctagttc atataccata cctttaagcc aaaatgcttc cttcactcct 60

tcaactaggg cccttgattc tgctttaata aatgaaagaa caaccactga atggtgaatt 120

gctttccaac taattggtat acccaacaaa agaaatacat atccggtaaa gactttcttg 180

tacctacatt ttctacaaaa tctgcatcta catagcctgt gattgctgcc tcatgtgttg 240

tcttcttgta ccttaatcca gcattcaaag atccatttag atacgttagt gtccacttca 300

cagcttccca atgtgcactg ccaagatctc ccatgaatct gcttataata cttacagcat 360

tagccaagtt aggtctgctg canaccattc catacattat gcttgcaaca ccact 415

<210> 18865
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18865

agcttctctg cacaaatatt ccgtcccctc aatatatgcg taaatttaaa attaaaagta 60

[illegible]

[illegible]

[illegible]

ttaatttaag tatgttattt taatgtaata tttcttaact tatttgtggt tcatttttg 3[illegible]

gtttataatg tggttaacta ttatttgtga attttgttct tgagtcttat gtctaataaa 360

tatanaccaa ttttatatgt ttcttacaaa cattgtatct gtctcttttc ttt 413

<210> 18866
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18866

agcttctaca ttcaatttca agcttttcga tatattacgg gactcaatcg gacatccgag 60

taaaaagtta ttggagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatcaga gtaaaaagtt attggtgttt gaaattgctc 180

agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtagtt tcaatttgct canggcttcg gtattccatt tcgagcgtct 300

cgatgtatta cgggactcaa tcagacatcc gagtaanaag ttattgtcgt ttgaatttgc 360

tcagagcttc tacatttcat ntcgagcttn tcgatatatt acgggactc 409

<210> 18867
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18867

attcatacga caataacttt ttactcggat gtttgattga gtcccgtaat atatcgagac 60

gctcgaaaat aaatacccaa gcgctgagca aattcaaaca acaataactt tttactcgga 120

tgtctgattg agtcccgtaa tatatcgaaa agctcgaatg tgaatgtaga agctctgagc 180

aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta atatatcgag 240

atgctcgaaa tggaataccg aagctctgag caaattcaaa cgataataac tttttactcg 300

[illegible] 360

[illegible] 420

<210> 18368
<211> 351
<212> DNA
<213> Glycine max

<400> 18368

atctcgcccc gggatctcta agtcagctgc aagctgtttt tttttcttgc taaacggcta 60

ttgtgataaa atgttgtata ataatgctct catttttctgt gtgtaattaa ggtcctccgt 120

ccattcctcc ttcgaacgtt gacctcatat gttgaaatag gtttgccacc aaaaaaggaa 180

accattctca acagtagcat gtcgcatatg cagaatcaat tttataaggc attactgcat 240

aaggatctgt acgtcgcgaa tgcacgagga gaacgtaact tcttctaaat atagcaatgc 300

tactacctaa atgctgccat cacccatatc tcttacacgg tgctgaacct g 351

<210> 18369
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18369

ncatgctatt gtaaggtntt tagcacanat tccaaatgag tgttgtgata atttcatata 60

gaacnatata tcagaatgtc attaaaaaaa aaaaccaata caaacttcct caagactccc 120

cttantatgt catccataag actttggaat gtagcagagg catcagtgag cctaaatggc 180

ataantagtc attcataatg tccatggtga gtcctgaaag ctatttttta cctatcctca 240

ggtttcaaca aaatctggtg ataacgagac ttaagtccca acttggagaa aaatncaact 300

ccaaacagct catcaatcaa tncatcaact gttggaatag gaaatgtatc tttaacggta 360

atagaatnca atgctctata gtcagtgcac acnctccaag aaccatccct cttcttaacc 420

aanataattg gagaagaana tgggctctta c 451

<210> 18870
<211> 431

cgacaataac ttttgactcg gatgttctat ttgtcccgta gtatctcgag acgctagaaa 60

ttcaaaacag aagctattag aaaaatcaaa cgacgataac tttttacacg gatgtcccat 120

tgagtcccat aatatatcga gacgctcgaa attgaaaaca atagcactta gcaaatttaa 180

acgacaataa gttttgactc ggatgtccga ttgtgtcccg tagtatatcg agacgctcga 240

attgaaaaca gaaactgtga gcaatttcaa acgacaataa ctttatactc ggatgtccga 300

ttgagtcgcg taatatatcg agtcgctcgt aaatgaaaaa agaagctttg aggaaattaa 360

gacgacaata acttttgact cggatgtccg attgtgtccc gtagtatctc gagacgctca 420

naattcaaaa c 431

<210> 18871
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18871

gagattataa taggattgta tggttnttag gtattgttta ctctcaatac catatgcagt 60

ttctcaagga gggtggttga gtttcattct gctaattgtt cttgcaatga tgttttggta 120

cacggngtta cttctacaga ggtgtatgaa caagcatcca ctaatcaaat cttaccctga 180

cataggtgag gttgcatttg ggctaagagg aagagctatg atctctacat tcatatacat 240

agaattgttt ttagtggccg ttgagcttct gatattggaa ggcgacaatc tagannaatt 300

gtttcctcat atgaacttca naattggtag ccttagaatt gaaggtaaaa gtggttttgt 360

ggtgctagct gcttggtcca tactaccaac aacattggtg agaagttngg agctttggct 420

atgtttctc 429

<210> 18872
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

natttcgttg gttaatttcg agcgtctcga tatattatgc gcctgaattt gacttgcctg 180

tgaaaggtta tgaccatttg aatntctcaa gagcttccgt tattcaattt cgagcttctc 240

tatatgtgat gcgcctaaat tggacatccg ggataaaagt tatgaccatt tgaatttctc 300

antaaggttcg gtagttcaat ttcgagcatc tcgatatatt attcgcctga atctgacatc 360

ngtgntaaaaa gttatgacta ttttagttta tcgggagctt ccgttttc 408

<210> 18873
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18873

aaaaccatta aatnaaaagct gagtgacaaa atattaaaaa tactttaatt tatttaccaa 60

tgcttttctt attgaaatta gtagaaagca ctccccatat gtcagtgact tcaaaaaaat 120

ggaaccacat aaagaaaatg agagtaattt tggatcttta tctacctata ccaattggat 180

tgacattatt caataattta aagttactaa aaaggttcta ttcaagacct ttntccactt 240

caatagactt ccttgttata aatataagaa aaataactga tttacatagt cgacatcgtt 300

taatnatatt aatcttatta aagagtaatt tttntcaact attctgtatg gaacttntat 360

natgnataca aaaatcatta aactaatact tc 392

<210> 18874
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18874

agctttgttt aatttgtttt gacaataact ntatacacgg atgtccggtt gagtcccgta 60

atatatcgag acgcctcaaa tttagatccg aagctctgag aaaaattgaa ttgacaataa 120

ctttatacac ggatgtccag ttgagtcccg taatatatcg agacgctgca nattgaaaac 180

[illegible] 240

[illegible] 300

[illegible] 360

cggagactct tatgaattca aacgacaata acttttttact cggatgcccg acagagtgtc 420

gtaaatttatc 431

<210> 18875
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18875

caattatgaa aattaatttt tgtgcgagat ttaatgttgt cacatgagct atacttattg 60

gataaagtat ataagtatac tactaattac tcatacaaca tctaaattaa taaaaaagat 120

tgcagtgctt atataataat tattagaaag atatatnaag agattaataa aaagatgtat 180

taggttctat tgatagaggt atactaataa aaaaatacaa cgaaattcat tcagcatcgc 240

tatttttttt ttaaatttag aagtatgaaa tgaaattaat ctcttttgca ttatacagta 300

gaaatatata aaaaataaaa taattatttt atttatgatg gctcattcta gtgtatttca 360

gttaaagttt ctccattgaa atttctctta ttgattctgg atc 403

<210> 18876
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18876

agctttatct actttgatgg aatgaattca tatgggaatn taagcactta acacaattca 60

tggccaattc tactagtaat ntacaaattt tccttcctta gttgtgccat cagtgaaaat 120

acatgatgtt gtccatgatg atatccatgcc caagacagcc aggaaatgac attgatgttt 180

atctaagtcc gttgattgaa ggcctgagaa agctgtggga cgaggggctt ctagtgttgg 240

atgggtttca gaatgagact tttctaatgc atgcaatgct gttttgtaca attaatgact 300

ttccagcata taggaatttg agcagttaca gtgttaaggg tcatcatgca tgcccgatct 360

[illegible]

<211> DNA
<213> Glycine max

<400> 18877

tctgctgcca ccatacaacc tttgcccttg catgcaacta cctggagcaa gtgagcagcc 60

tgaggcttat gctgcgaata tatacaatag acgctgctca agccgcagca gcagaatcta 120

ccacagcaga acagttgtga cctctgcagc aacagatacg gccctgcatg gaggaattac 180

gctaacctca tatggtccag cccttagcaa caacgacaac agcctgctcc ttacttctaa 240

aatgctgctg gcccagacat accatacatt cctccaccaa tccaacaaca gcagcaaccc 300

cagaaacaac caacag 316

<210> 18878
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18878

tatggtgttc aaggtggatg ntgaaaaagc ctatgactca ctctcatggg ttnttttgga 60

ttatatgctg canagaatgg gtnttttgcca cacatggaga cactggatgt ctgcctgtct 120

caagtcagca agcattgcta ttcttatcaa tggcagtcct acaaaggaat ttgctcctac 180

tanaggtttg aggcaaggtg atcctttagc ccccttactc tctaatatag ttggagaagg 240

catctcatga ttgatgaagg aagcagtcaa aagaacttat atagaagcta tatggctgga 300

aagattaaag aacccattaa tatcttgcag tatgcggatg acagcaattt tgtgggtgag 360

gctgtgtggg agaatgtta 379

<210> 18879
<211> 434

<212> DNA
<213> Glycine max

<400> 18379

[illegible] 60

[illegible]

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 420

[illegible] 464

<210> 18380
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18380

aatcattcaa cgcattcaga atatgtgttc atccttanta aagctactct aaaataaatg 60

acacagtcgn cagcanagag taagtatcag atgataggtg cacccctata gatnttaatg 120

ccataagtat gtccttgccc ctccaacttc ttaataagag cttanatccc ttcagaacaa 180

aggatgaaca aaaaatgaga gatgggatct cctagtctga gacctttccc ctggataata 240

ggacnaacca agctttcatt gataataaca gagtagacag attggatgcg aattaaaatc 300

cacttaaccc aagtcgcact aaatctcatt ttggccatga cgttttttaa ataattccca 360

ngacttggt catacgcttt gttgatatcc atcttcagcg caacttgtaa cctcccacat 420

gttacccttg acttacact gcatatgatg gagaat 456

<210> 18381
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18381

ggacctgcag gcaggcaagc ttgatttctt ttctcacata ctggaatcga ttaccagaga 60

agtgtttcag aaatattctc acagtccatc ttttacttga ttctgatggc tgcaaagcct 120

[illegible] 180

[illegible] 240

[illegible] 300

gaaattctaaa cacaaaggaa gggttgttct tgtgtgtcta gaacttgta 409

<213> 18882
<211> 366
<212> DNA
<213> Glycine max

<400> 18882

accttgtca atgatattct tcatgcctct taagtgcaga agtccaaatc tttgatgcca 60

tattttgact tcatctttct ttgcaggtgg gacatgtgga ggagtaactg gttctttgag 120

gtgtccataa gtagcagttg tcccttgatc tgctgccctt cataaaaact cattcttctc 180

attggcacca agcattctga ctttgtgaag tttacattga atccttcatc acccaactga 240

ctgatgctga tcatagtttgc agtcagtccc ttcaccagca gtactttgtt cagactagga 300

agccatcatg gactagcttt cccattccag agatctgtcc tttagagcca tctccaaatg 360

tcacat 366

<213> 18883
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18883

ctaataaatc tatgtatgat ntanaacaag cctcacgtca gagttatctt tagtttcatt 60

ggaatatttc cttcttttug ttttgaggaa acccacatgg atcaatgcat attaccacaa 120

ggtcagtggg agtaaaatat gttttcttgt tttatatgta gatgatattt tacttgcaac 180

caatgatcaa tgttttctac atgaggtgaa acaattctic tttagaatt ttgacatgaa 240

agaatttggg tgatgcatct tatgtcatca gcatttaaga ttcatagaga tagacctcga 300

aggattttag gtctatcata ggaaacctat attaccaaat tttatagtga ttttggatga 360

taattgtcac caagtgttgc tcccatcgag aagggtgata gatttaat 408

<223> unsure at all n locations
<400> 18884

ttttttgttt attggcntac tcaaaacagg accacgtttc atatttcttc cctagcatng 60

acataactgt cagttactgt cgaggcttct ggagcatcta taacttgttc actatattct 120

gtgcgacatt tgcgtggata agctgcatca aatctctctt gtctctctgg attccttcag 180

cacgaaagta gtttatggtt gtcaattgct tggcaactgt acttcgtatc ttcacttgga 240

caatcttctt ccgtatcgca tgcagagaag cccccttctc aagctcttgt aacaatactt 300

ttcttgcttc ctcaaatacc atct 324

<210> 18885
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18885

gaaactcagc ttcacattca attcaagcgt gtcgatatat tacgggactc tatcagacat 60

ccgagtaaaa gggttattgt cgtttgaatt tgttcagacc ttcggtattc catttcgagc 120

gtctcgatat attacggaac tcagtcagac atccgagnta aaaggttatt gtcgtctgaa 180

tttgctcaga gcttcaacat tcaatttcga gcgtccggat atattacggg actcaatcag 240

acatccaagt aaaaatttat agtcgtttga atttgctcag agcttcggta ttccatttcg 300

agcatctcga tatattacag gactcaatca gacatccgag taaaaaatta ttgtcgttcg 360

aatttgctca gagcttcaac attcaatttc gagcgtttcg atatattacg ggactcaatc 420

aaacatacga gtaaaaa 437

<210> 18886

<211> 404
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18386

[illegible]

gaatcagcta gatcttgacg ggtattcaag ccatcctteg tcttgccttg aatgttaagg 240

aggcgtcccaa tcacactgtc acaaacattt ttcttcacat gcataacatc aatacaatgt 300

gtaaagtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctgtt cttccatatg 360

gaacnctgac tnttatcctt cttttgggtc ttcccaaata cagt 404

<210> 18387
<211> 386
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18387

agcttaacta tatgtatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60

aacanaaaaa gggaaaaggt aatatngtag ccgatgctct ntctcggcgt catgcattac 120

tttcagagaa tggtttcttt agacatgaag gcttttcttt caaagaaaac aaattgtgtg 180

tgcctaaatg ttctactaga aatttgcttg tttgtgaagc acatgaagga cggttaatgg 240

ggcattttgg ggtccaaaag actctagata cattacaaga accattttat tggcctcata 300

tgatnaatga tgtgcacaat atttgtgaac attgcattgt atgtaaaaag gcaaagtcta 360

aggtnaaagcc tcatggattg tatact 386

<210> 18388
<211> 473
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18388

actcagctaa aaagcaactg catgcgttgn tcaacttgct aatctatctt gttcttgaat 60

cagaaatctg tacctgtcgc aagggtttgt ggtttgtgct cctctgctga ccaccataca 120

gatcttngcc cttccatgca gcaacctgga gtaattgagc aacctgaagc ttatgctgca 180

natatttaca atagatcctc tcaaacctaa cagcaaaatc aaccacatca gagcaatttn 241

agatcgatnca ttcctccact aatccaacaa tagcaacaac cccagaaaca gccaacagtt 41

gaggccccta cacaacctta cctcgaagaa cttgtgaggc aaatgatnat gca 4

<210> 13889
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13889

nttagttcct cccaataagt gcctgaaata tgtgtttctg atcttacaca ctacgtgctg 60

ttngcttgat attgccatgc atatctctat gatatcatgt gatgcaatcc tacccccccaa 120

gggtattgga tagaagactc caacaagttt gcgccagaga tgcaagagaa gaccctaagg 180

ttctcatgag ccttaatgta gattttgagc ccatgggcaa agtatgagcc cacttatctt 240

tgtacatatt agattaagat atcattattt ttgggccttg tattttatggc tctataatgt 300

aagtaagggt ccctagaaat gtacgatctt tcagcccttg tattttaagg cacctatact 360

agtttttgta ttaagggtac ttttgtaatt tcacatgcat taagtgaata tgtgatgt 418

<210> 13890
<211> 195
<212> DNA
<213> Glycine max

<400> 13890

gcaagaattg caggttaaca tctaactgct ccaagtgaag attctctgca gctactatgc 60

tcaaaataat tctgatggta gtcatctttt caactggaga gaagatctct atgaaatcaa 120

ttccttgttt tctgtgaaac cctttcacca caagtctcgc cttgtatctt cttttaccgt 180

caaattcttt cctta 195

<210> 18891
<211> 310
<212> DNA
<213> Glycine max

tcataagttt taactcggat atccgattca tgagcttcac atatcgagat gcacgatatt 120

gaacaatgga agctctagag aaattctaat ggtcataaat tttcacaccg aggtcctatt 180

cangcgctta atatatccag acgctcgaaa ttgaacaatg gaagctctcg agatattcaa 240

atggtcatta cttttcactc ggatgtccga ttcaagcgta tcacatatcc acacgcttgg 300

aattgattaa 310

<210> 18892
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18892

agctttcatt gttcaattnc gagcgncncg angtggtatg cgcctgaatc tgacctccgt 60

gtgaaaagtt atgaccattt gaatttctcg agagcttccg ttgttcaatt ttgagtgtct 120

cgatatatta tacgcctgaa tcggacctcc gagtgaaaca ttatgaccat ttgaaatgct 180

caagagcttc cattgttcaa tatcgagcga ctcgatttat tatgcgccag aatcggacct 240

tttagtgaaa agttatgacc atttgaattt ctcgagagct ctcggtgttc aattttgagc 300

ggcttgata 309

<210> 18893
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18893

aatgacgagt atgtgtaatt gtaataagct ccttagttga tatttcagtc ataatgagga 60

tgctgcttnt aaagttttac aatgcttgaa tntgtgtgat aatcttgaat atgcatttca 120

acttactcat ttaacttttа taatattgat ccatggttaa ggattgaaat ctttcgaaac 180

atgttttgga aaatacttaa gtttttatcc cgcatcanat aattgattat atgatgatat 240

aattgattat cttgatgatg atgccttttgt ttttcataat tnngaaatac tcatnattag 300

<210> 18894
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18894

atatatatta gaggattttgt atataaatat gtaaaaatat ataaaaatca ttatccaaat 60

naatatatat tcaaatgatt ntatattcac acatgtcttg cattatgtta atttatgcaa 120

acatanttttg aaaattatta tctttataag catattcgca tttgcatatg acttttatat 180

atatatatat ataatttttaa taagaaaatt agtaataaaa aatatattac attntgtaat 240

tattagttnt atactcctat catcataagg gggaaaagta tactactaaa ataaaacttt 300

aaatttattg ggtttatact catatcatca agtgtacta 339

<210> 18895
<211> 257
<212> DNA
<213> Glycine max

<400> 18895

gacatcaacc ggtccataga gtgtaaggag tatccacaag gcgcttctgg caacgacaag 60

aggatgttgc agaggttgga aactagtttc tttctaagtg ggggtatcat gatggacctc 120

attggaacct tgtggccttg gatcttcttc atcaatggaa gtccttgctt cttgaattta 180

atggcagcaa aatggaaaag aagaagagtt gagaggagac accacttcaa ggagaagatg 240

agtctagaag aagctca 257

<210> 18896
<211> 472
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 18896

ttacngcaga acaattatga cctttccagc aacagatacn acccngaatg gaggaatcac 60

[illegible]

ttatgcagaa acatgcagtt tcagcaagag accagagcct ncattcagag cttaaccaat 300

cagatgggac aattggctac ccaattgaat caacaacagt cccagaattc tgacaagctg 360

cctttctcaag ct 372

<210> 18897
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18897

tctggtggga catcttgact tgctttccaa tcngacattc tctacagatt ctgccttcnn 60

ctatnntcag agggggaatg cctctaacag caccttttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat atttgatgcc atattttgac ttcatcttct ttggagaata 180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240

tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactntgtga 300

agttnacatt gaatccttca tcacacaact gactgatgct gatcaagttc gcagtcagtc 360

cctttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tttcccattc 420

cagtgatctt tca 433

<210> 18898
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18898

accttatcta ggttggacct cggctggagt tgaatacgta aggctggagt ttggctcatt 60

gcctgtcata ggtttttntt aaagctcggc tcggtttaca taaaagtctg gctttgccca 120

cgagcctatt taaaaacttg cttaaagacg tctttgatta attaattatt ttaaaatcta 180

[illegible] 240

[illegible]

<211> 1344
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18899

ngctttttatt gttcaatttc gagtgtctcg atagaggatg cccctgaatc ggacctccga 60

atgaaaagtt atgaccattt gaatttctcg agagctacct ttgttcaatn tcgtgcgtct 120

cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgaccat ttgaatttct 180

cgagagcttc cgatgttcaa tttcgagcgt cttgatatac tatgcgactg aatctaacct 240

ccgtgtgaaa agttatgacc atttgaattt ctcgagagcc tccggtgttc aattttgagc 300

agctctaact gtgatgcgcc tgaatcagac atccgagtga aaagtatgga ccattgattt 360

ctcgagagct cccgtg 376

<210> 18900
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18900

agcttttatt atttttgcca gctgcatcan aatgggaaac aactggaggt ttttgagtct 60

ttgcctcttg gcattgattg catcaactca tgctcaactt cagcttggtt tttatgctaa 120

taatcgccca aaagcacagc aaattgcttt gaaatttgtt catgaccata tccataatgc 180

ttcatcacta ccaactgcat taataaqaat gcactttcat gactgttttt gtaaggtacg 240

tgcttcaatc tttaagcttc tgtcattttt acttaacaca tacaatgtta 290

<210> 18901
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

ngtgtagaag tgatctctat tgntcagaga gcaatctctg gtgtggattt gattgattag 1-

tatagaccgg agagtgattg agagggagtg agaggggttc tcatatc 227

<210> 18902
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18902

ttttgggggt ggccatttct tggatggcct tgattttctc aaggtccact tggaccccat 60

ttctaccaac tacaaaacct aagaagacta tattatctac acaaaaggta cacttctcta 120

tatttgcata gagggtgttt ttcctaagga ctgaaagaac ttgcctgaga tgtcctaagt 180

gatcatctag gctcctactg tacactanaa tatcatcaaa ataaacaact acaaatctac 240

ctatgaaatc cattaagaca tgatgcataa gcctcat 277

<210> 18903
<211> 186
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18903

agcnttaacc aagangggat ggtccatttc aagtacttga aaagataaat gacaatgcga 60

acaagattgg attgcctagt gagtataatg tgagtactac atctaatgtg tttgacttaa 120

ctctttttta tgtagatgga gaagccgatt tgagaacaaa tcctttgaa gagggagaga 180

gtgana 186

<210> 18904

<211> 187
<212> DNA
<213> Glycine max

<400> 18904

[illegible]

[illegible]

[illegible]

ttcattag 187

<210> 18905
<211> 383
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18905

agctttaact ttatttttca taagcacttt gtgcttgtac attccacggc aacgcaccct 60

tcttcaaaca ttcggtcata ggacttgcta tagagctaaa attctggata aagcgtcgat 120

aaaatgatgc aagaccaatg aaagatcttca cctccgaaac tgttgtacgg ctcggccaag 180

tcttgatagc atccactttt gcntgatcaa cggatactcc atctttagac accacatatn 240

caagaaacac caccctttca accaagatat cacacttttc ccttctccca tagagttgtt 300

gtgctcttac ggtctcaaat atttgtttca aatgagtgaa atgctcctct atagattngc 360

tatacaccac tatgtcgtca aga 383

<210> 18906
<211> 303
<212> DNA
<213> Glycine max

<400> 18906

ttgctagaga cagtgtcaat gctatgtata tggtttcttt ctttgtggca ccaaaggctt 60

actcatatca gtgagaatgg gctgaattgt ttagccaaga aggatatgct tctacgattg 120

aagaatgcaa atttagagaa atagtcttat tgcatggttg gtaaggaaac caaagtatcc 180

ttcaacaaaa atcctccctc cagaaaatct gagttgcttg aatcggtgca ttcagatgta 240

tgtgacccct tgaaggtgaa atcctttagt ggtgcactta attcttgtac cttcattgat 300

gac 303

<210> 18907
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18907

gntgnncana aacatcaata tcnanactc catcagtagg tctgcccaga tatttgttaa 60

tcacagcatg ggagaattta acacactntc ctctgacaaa cacctttntga tactcatcac 120

ttttctgttt agatatgtca gagggaatgt tgacaatgaa ttcnctgact aagccttcat 180

agcaatctcc caacttgctg acagtcttca gcagtccagc agccttgatg aggtccatga 240

tttcttgcca atccaatgca gctcttttcca gtttctcttc caaggccagt cttcgttgat 300

aaa 303

<210> 18908
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18908

tatcttgtat gtcttggatc ttcttcatca atgaattcct ttgcttcttg aggtttgatt 60

gcagcgaagt ggagaaggag aaagatgaat ggagatgcca cttcaagtag aagatgagtc 120

tagaagaagt tcaccaccat aggaagccat ggataagagc ttgaaggtag aagaagatga 180

atgaagggag aggaagagaa gagcatgaaa tttagtgcct cttaagaaga ctgaactttg 240

aagtttaatt ctcatatgat caaagttgaa aaaatgcaca cacaagacct ctatttatag 300

cnaagtgtc acacaaaatt ggagggaaat ttgaatttct attcanattt cactcgaatn 360

tnnggagcca anatatcact aattatgatt ag 392

<210> 18909
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 18909

tagganaatg atcttagagg atttatatat gagcaacttg tgtactccac cctgggctgc 60

caagatgtat caggatctca cgacaargtt ttggtgacca aacatgaaga gagaggctag 120

<210> 18910
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18910

gcttgtgatt atcatgtaga ggattcatca nadggagttg accacgaaca acacttataa g 60

attcattcaa cgccatgaga aattgcatca acttgcgtct tttgttgttt gcttcacatg 120

tgcaaatagc atcattatag gatcctaact catcccacaa tttttttta actttgtata 180

gtatgcagca actatcattt gatcttaagt aaggcaagca atctctctct cgatctggaa 240

aatgagtggt gcgttgcttt gaaagaaaca attttgaaga tcttcccaaa cttcatgagc 300

agtgtaaana aaaataacac tatctgtaat atcaggggtc attgaattaa gaatcccatg 360

acaaaccata tcattgcatt nttcatgcta catagtcttc t 401

<210> 18911
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18911

agcthtgagc ttattcttac gacaataact nttgattcgg atgtccgatt gtgtcccgta 60

ttatatcgag atgctcgtaa ttgaaaatag aagctctgag caaattcaaa cgacaataac 120

ttttgactcg ggtgtccgat tgtgtcccgt agtatatcga gacgctcgaa attgaaaaca 180

gaagcactga gcaaattcaa acgacaataa cttttttactc gga'gaccca ttgaattccg 240

taatatatcg acaacgctcat aattcaaaaac acaaagctctg aacaaattca aacaacaata 300

actttttgact cggatgtccg attgagtccc gtaatatatc gagacgctcg caattgtaaa 360

cagaagcttt gagcaaattc acacgacaat tacttttctac tcggatgtcc gattgagtc 419

<210> 18912
<211> [illegible]
<212> [illegible]
<213> [illegible]

[illegible]

tatcctctac gacaatcaac tcggcggcaa aattcccggc tctatcggga accttaagag 60

ccttcaagtg ataagagcag gtggaaaaca gaaacctgga ggccttttac tacaagaaat 120

tggcaattgt tccagtttgg tcatgttggg tcttgctgaa actagccttt caggttctct 180

gcctccaact cttggccttt tgaaaaaacc tgaaaccatt gccatttaca cttccctact 240

ctcaggtgaa ataccacctg aacttgnngta ctgcacaagg cttccaaaca tatatctttta 300

cgagaactcc ctcactggat ccataccaag caagttggg 339

<210> 18913
<211> 154
<212> DNA
<213> Glycine max

<400> 18913

tctggtggga catcttgact tgctttctaa tctgacattc atttcagatt ctgccttctt 60

ctatgttcag attgggaatg cctctagcag caccttgtc gatgattttc ttcatgcctc 120

ttaagtgcag atgtgcaaat ctttgatgcc atat 154

<210> 18914
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18914

tgagcgaatt caaacgacaa taactgtgta ctcggatgtc ttattgagtc ccgtaatata 60

tcgacatgct tgaaattgaa tgttgaagct ctgagcacat tcaaacgaca ataactttt 120

actcaatgt ctgattgaat cccgtaacat atcgagacgc tcaaaattga atgttgaagc 180

[illegible]

tctcagccaa ttcatacgac aataactttt ttctcggatg tctgattgag tcccgtcata 240

tatcgagacg ctcgaaattg aatggtaaag ctctgagcca actcatacga caataacgtt 300

ttacttcggat gtctgattga gtcccgttac ttatcgagac gctccgaatt gaatgttgaa 360

<211>
<212>
<213> Glycine max

<223> unsure at all n locations
<400> 18915

agcttgaatt ttatgttgat ttgacagaga gaaatacttg tagcttgttg aagttactag 60

aatttggtgg tttgctataa gaacttgaca ttgtcttggt ggttgagatg aaccaacata 120

aatntgatgt gtcttattct tttttatttc tcttttgcta tttgatctgt tagggtttga 180

atttgatctt tattatttaa aaacttttgtt tgttttacaa agatttgaaa ctatcatctt 240

atttgtttntg caaaagtctg atatctgttt tgttaagtct tacttcacaa gacaataact 300

ntattanttt acgaaaaaat tatttttta tgaaaattac aattcaatct tatttcttgt 360

aatatttatt tttgcaatat tattatattg tat 393

<210> 18916
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18916

ntagcttcca ctcgtaagac catatgccac tagaccagtc tattctagaa tatagaaaat 60

aaacttcatg gtctcgaata catgtagcgt gcctaaactn tgaggtgtaa catcncaaaa 120

atadatctaat aattatctag ataaagatat ttaaatatat cttttattac acgacaagat 180

agattaaata atttaaatat atcatataat gatttttatt tcgaacagag gttactataa 240

taatatatna gatttggtaa cgataaatta acgatantag aaagtatagn tanagaagga 300

tcatttaaca gattgcaaat tacacacaat tcttaatata tggttgacag tctttctctt 360

agaacacaca catanagnat c 381

<210>	18917
<211>	346
<212>	DNA
<213>	Glycine max

[illegible]

[illegible]

[illegible]

[illegible] gatgtactcg 180

agaaatttga atggtcataa cttttcacac ggatgtccga atgtggaca taatatatcg 240

agardctcga aattgcgcta cggaagcact cgagatttcg aatggtcata acttttcaca 300

cgaatgtctg attcgcggac ataactcatc tagacgctcg aaattg 346

<210>	18918
<211>	316
<212>	DNA
<213>	Glycine max

<400>	18918

tatgaagaga gaacaattta gagagtgatc gaagactttc aaatggattt ccactgaatt 60

tattcataga gagatcgaga tatcttaatg atgaaagttt tccaaatgat ctaggaagag 120

caccaccaat tgagttgttg gaaaaaagta acgtgtcaat atttttaaat gccccaatat 180

gatctgtcag attgcctgaa agtcgtgaac tctgaactgc aagtcttgtg agtccatggg 240

aaatacaagg agcaagaatt tctaaaagtt cattaacctg ttggttgagt ttgagatatg 300

ataaatctat caccct 316

<210>	18919
<211>	349
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	18919

gcttagctac acanccccct ataatagcta agctcacccn catgatataa tacatgaaat 60

acttaaaagt ccctactaca aagactactc aaaatgcctc gaaatacaag gctataaccc 120

tatactacta gaatggccaa aatacaaggc ccaaacaaac gaaaaaccta ttctaantat 180

tacaaagata agcgggctca aacttagccc atgggctcgg aatctaccct tangctcatg 240

agaaccctaa ggcttccct tggatctctg gcccaatcta cttggtgtct attatccaat 300

gccttgtgag natagaattg catcattccc tccaccttgg aaaagtattt 349

<210> 13920
<211> Glycine max

<223> unsure at all n locations
<400> 13920

ttatgttgca natatttaca atagacctcc tcaacctcat tatctaaatc aaccacagtt 60

tatcaattat gacctttcca gcaacagata caaccctgga tggaggaatc accctaacct 120

cagatggtcc agcccttatc aacaacaaca gcagcctgct ccttccttac aaaatgctgc 180

tggcccaagc agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca 240

accaatagtt ga 252

<210> 13921
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13921

agccttgaat ttatcttttc tatgtcttga attgaaccta atctaattat caaatattat 60

aaatcacatt tcgttgtggg ggaatgtgag gctcanagaa cattgtgtat tttccatctc 120

tctttgcagt gcatatgata gagcggctat taaattccga ggagtggagg cggacattaa 180

cttcaacatt gaagattatg aagatgactt gaagcangtg atcaatttgt gaatatttat 240

attttgttnt atcttatctt gaacagtcac acctcatacg tataggatca ccttatctcc 300

tacagttagt gctatnnttt ctgtcttgaa gtactctcat gaatttgtta aatgcaatgt 360

taatagatga gcaatcttac 380

<210> 13922
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18922

nttaaaggatg tttntatcagn acaaaaaatat atgttttttgc tctggtaatt gattaccaaa 60

[illegible]

[illegible]

[illegible]

ttattaattat gtaattggatt atccaagaaagc tgtaatcaat taccaatgag agnattttng 300

naaaatattc tgaaaagtca cgtgtctntc aaaagttttg aaaagccacc aaggacctat 360

aaatacgtga cttgtctacg aanaacatta gagttnttca ttagaaccta ngtgacatat 420

tctctcaaaa caaatcatt 439

<210> 18923
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18923

ttacctcctt gagataagaa gctagagctt agctacacac acccactaa tagttaagct 60

cacctccatg ccaaaataca tgaaaataca aaaaagtctc tactagaaag actactcaaa 120

atgcccttaa atacaaggct aaaaccctat actactagaa tggccaaaat acaaggccca 180

gaagaaggan aacctattct aatatttaca aagacaagtg gacccaacct tgacccatgg 240

gctcaaaaat ctaccctgag gttcatgaga atccta 276

<210> 18924
<211> 353
<212> DNA
<213> Glycine max

<400> 18924

agctttcact tacatacgaa gatttgtgag tgacaaacca tgttgtcatt cttgacaaga 60

taaccaagag gcatgtccat gtatactccc tcaatcaaat cactattgaa aaacacatta 120

tttaaatcaa gctgaaacat gttccaattt ctgtgaggtg caatggaaag aaacactctc 180

attgccgtat gcttggcaac aagtgagaaa gtgtccaaaa aatcgatctc tgcttgtatg 240

ttgttgtgtg taacctttg caacaagacg agccttgtat ctatcaatgg agccatctgc 300

tctatacttg accatataaa tccatctgca actgatgggt ctattatcgg gtg 353

<211> [illegible]
<400> 18925

agcttccagt ttatttcat attntcagct cctagtttat agcttataag ctttcaacta 60

acttatttaat tagttttacc aaattaaatt tgttagttta taagttttac ctagtttata 120

aatgaaaaaa taaattaagc taaaataaaa tgttcgtctt ttatgtattt tttgttttcta 180

ctctgctcct ctaatttagn ctcttataac tttcgggaag ataatagaaa atggaatcga 240

ttgaaacata gtagaatggg tgaatcatga atagaaagaa ttaacaatat gtcacttctat 300

tattaaataa tgtagatgta taatataatg gtcaaaaatt agattccatc atttgataaa 360

aggagttgaa taaattatct ttttattcat tatgaaaaat aa 402

<210> 18926
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18926

agcttgaagt tatatgttaa aataactnng tgtattcttt ttacattctc ttgcaacagc 60

ctncacttga gnnttatcat tanannagtg ttcagggaat nntaatccaa acctattaan 120

nattgatccc aataanaatt gatnaatcga gcanaattgt tatanaaaaa tacttaaaca 180

cttcaatgcn agttcggttt tgtgattctc atgttcaaaa ttgaactgag tcaaaattgga 240

aangtaacta aatttatatt agtcttattt tgtcttcttt ntttactgca attcctatat 300

atttatcttg aaatacaatt taancttatt tgaacttata ttattatttc tgaataactt 360

gaagataatn tgcaatntag tctgtgattt agatcaagtt gtggttttat gaccagaatt 420

aatagtttga aatgatattt ctgtaatatgc attatg 456

<210> 18927
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

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[illegible]aag'tcaag tgaaggagaa cttgacatat gaaacatttg ctttgaggat cgaggatagg 240

[illegible]gacaaagc acttaagaac gaaagagatt ttattggtca aggcagtctg gggaggtgct 300

ttacgatagg aggcaatttg ggaactagag attcaaatgc gagaagccta tcctgtcttg 360

tctg 364

<210> 18928
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18928

agctnttcta tgaatcctct tacatgagaa gaanataatg aaatgagntt ttttttttaa 60

actaaaatta attctccatt aactaaatat taattaattt atagatatca tatcatctat 120

gagagaaatt atactaaaga ggctcttatc ctcttttggg ggggttattt gctctatcta 180

gctc'tgttc tctatatctt tgcaaatacc ttctcaatgg ctctgcatag tcgtcaaaac 240

caagcgaccc caaggcccag catatgtcat ccccgttcac tgtcttactc ctttccttcc 300

tgcacttctc cgacgcctcg ctggttacaa agcttatgaa ctccgacacg cactcttgca 360

<210> 18929
<211> 364
<212> DNA
<213> Glycine max

<400> 18929

agcttcattt aatccatgcc gacatc'gtg gtcccatttt gcctccc'ca cacagcaaca 60

aaaagg'acgt tctaagcttt attgat'gatt attcacg'aa agcttggatc tacttttgc 120

atgaaaaatc tgaaacaaat actgtgtaca aaagcttcaa agcctgtgtt gaaaaggaag 180

ctggtatcta aattgtttgt ctaagataag atagaggtgg tgaattcacc tctaaagagt 240

[illegible]

<210> [illegible]
<211> 402
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18930

[illegible]

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tcggttttct acaacaaacc gatgttaacc tatcttatgt taacatcggt tnttctaana 180

atcgatgtta acatactgac tttaacatcg gttattcaaa aaccgatgtt accagtttca 240

tgttaacatc ggtttttaaa caactgatgt taacataagc taattaacat cggttttcta 300

aaaaaccgat gttaacaaat tcacattaat tacaattatg ccaccatgtt aacgttaaca 360

tcggntttga ggaaaaccga tgttaaacgt acgatgttaa at 402

<210> 18931
<211> 405
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18931

ttgcttgcgt agtacaactc ataatcaaat tattaaatgt tttttgagaa aaaccaaatt 60

catttagcgt caatttcaag aagccccaat caactttatc atagactttc tgcaaagtca 120

attnttagcc taagattccc tttttttatta tgcatgtgat gggcaatctc ctgagctatt 180

atagcattat cagatggatc tctattagga atataaatgc tttgcaaagg gccaataaga 240

ctatcaaaat gaagttgaat ucgattaaca aucacttcau agatanattt gagatcgaca 300

ttgcataact gatgggccta aactctttta aguaagaagg gcaatccact ttgggatag 360

ttacaataag agtttcaacc aaacttggat tgatggagcc taaag 405

<210> 18932
<211> 283

[illegible]

[illegible] 60

[illegible] 120

[illegible] 180

[illegible] 240

[illegible] 283

<210> 18933
<211> 238
<212> DNA
<213> Glycine max

<400> 18933

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ggtacccact aatcatactt ccactgttgc cacaagttcg agtaaatttc tgtatgctgt 120

cggaaccaca tccaaatatt atctggaaac tatatctttg atcaaactgt caaacattca 180

taatctttag ctatcaaata agccattgcc ttccctactg tattgtgtgc attatgac 238

<210> 18934
<211> 337
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18934

tttcttgcat ttctctcttc ccttanactt cttttatnta ttgctatgta tctcttgctt 60

taaagaagtt aattatgaat tgtcttttga gtaattcatg ttaacggtgc attgttaatc 120

cnaaaaanana gangtatagt ttaattgagg aatagtcttt gtatcttaat tcaacccctt 180

tctttcttaa cgttactgaa gccatttgtc aacatcctat tcttgacaac tcgcttctct 240

aagaagacca actctcctgc cttgataaat gaagccccat gaacgtctat atttttactt 300

gaaaacacag tcatcaaatg tcctttctct ttttgaa 337

<211> [illegible]
<400> 18935

tatcttttct tcaattcaca cgacaataac gtttttactcg gatgtctgat tgagtcccgt 60

aatatatcga taagctcgaa attgaatgtt gaacctctga gcaaatttaa acgacaataa 120

ctttttactc ggatgtctga ttgagtcccg tcatatatcg agacattcga aattgaatgt 180

tgaagctctg agccaatttc aatgacaata acttatttact cggatgtctg attgagtccc 240

gtcatatatc gagacgctcg aaattgaatg gtgaacctct gagcgaattc acaccacaaa 300

taacttttac tcggatgtct gattgagtcc catattata 339

<210> 18936
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18936

tgctaaccca tggaagctcc taatatctcc cacactntnt gagatgggcc attcatggat 60

ggccttgatt ntctcaaggt ccacttggac cccatttcta ccaactacaa acccaagaa 120

aactatatta tctacagaaa aagtacactt ctctatattt gcatagaggg tgtttttcct 180

aaagacttgaa agaacttgcc tgagatgtcc tgagtgatca tctangctcc tactgtacac 240

tanaatatca tcaaaataaa caactacaaa tctacctatg aaatcccttа agacatgatg 300

cataagcctc ataaaggtgc ttggtgtatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca aacttggtct tgaaagtang tatccactta tcaccatttt tcatcc 416

<210> 18937
<211> 385
<212> DNA
<213> Glycine max

<223>	unsure at all n locations
<400>	18937

tcaacctaga ggagacggac cattccaagt gttggagaag atcaatgaca atgcctacaa	60

[illegible]

[illegible]

[illegible]

[illegible]agact[illegible] [illegible]aagc[illegible]aac acgtca[illegible]aga gacaaagc[illegible]a g[illegible]catttg[illegible]a [illegible]agctgccat	300

[illegible]gatgatgat tgaaggccca agtgg	325

<210>	18938
<211>	482
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	18938

taagagtnta accatgcgta gatatcctat ggtaatatct catttttta ccatttgaat	60

agtgtaaaaa cactacccaa tcgcctaaca aaacaataat actgtctacc acacacacat	120

gaaaaattgn gatgttaccg tgtttgtttg acattctttg tcttcctagg agtgtatgta	180

ataatatctt tgtagcacac atgagaccga tgttgtttgg taagagaaaa ataagattct	240

agtaaattta gagagtttga taagcactgt gctacttcaa caaatataaa gatatgtgaa	300

atttggtgaa gggatatctt cctcaaatac ttgtcaatta atataagcat acaaaatana	360

attaaatata atataaatca taaaatattc tactaattat aagatcaaca ttggataata	420

agagtaagaa cacattatta tttaaacagt tgaaagataa aagtaatatt attaaagaac	480

ta	482

<210>	18939
<211>	404
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	18939

agct[illegible]gag[illegible]a [illegible]agagacttc [illegible]caagc[illegible]a[illegible] tatc[illegible] [illegible]aagaaa [illegible]catt	60

ggattgatag gaatgaaggc tcctaccctt atttatacta ctctacctcc acaatgaatg 120

gtggagatta cttgtatcat anggtggaga ttaattctct agaatgttgc acacatttta 180

tgagtcttta cactctttta ctttttttca tatccttcca taaggttcca cacatcttta 240

[illegible] 300

[illegible] 414

<210> 18940
<211> 386
<212> DNA
<213> Glycine max

<400> 18940

tttcttgtgt atccaatacc ctgatgagga tgtcccatat gttcttaaaa ctggactgat 60

ccatttgctt ccaaagtttc atggtcttgc aagtgaagac ccacacaagc atctgaaaga 120

attccatatt gtttgctcca ccatgaaacc accagatgtc caagaggatc acatatttct 180

gaaggccttt cctcattctt tagagggagt ggcaaaggac tggctatatt accttgctcc 240

aaagtccatc acgagttggg atgacctcaa gagagtattc ttataaaaca ttttcctgc 300

ttccaggacc acgaccatct gaaaagatat tttaggcatt acaaaactca gtggagagag 360

cctatatgaa tattgtgaga gattta 386

<210> 18941
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18941

ctagattcat cacttacccc aagcaatacn cactgcaagc tcttgtcatc cagctntgtt 60

cttttctgat caggtacatg gacatgagtt angcacccaa atactttaaa gtaatctact 120

ntaggtttga ttccactcca catctcttct ggagttttat ctttcactgt caatgtggga 180

crcctgtnga caacatgaac tgtccatttt gcagcttctg gccaaaaagc cttaagtact 240

tgtttgtcac aaagcatcca ccggaccata ttcataatgg ttcgatttta cacttcgcta 300

cgccattttg ttgtggaatg taacatgttg tgagttgcct gcttatgcca tgaatttnac 360

aaaatcatta acacatttga ggtgaatcac cccccctatc tgtgcgtaac aacatat 417

<210> 18942
<211> 443

<400> 18944

[illegible] 61

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ntgtaacaat catcaggatg gcatgctgat tgcanaggat gagatctttg gtccagtcaa 180

tccatattan naatcaagta agaaaacaac tagtgttagt taattacttt gcagagaatg 240

gtattatact accatacatg tgttgtgctt tgtgcattaa ttttttgtgtt gatgactcca 300

ggqaccttgg tgaggtagtt catagagcga acaacacacg ttactggctt gcggcaggaa 360

gtgtcacaaa gaacatggac actgcaaaca ctttgacgcg ggcactgaga gttggaacag 420

tttggataaa ctgcttttgac aca 443

<210> 18943
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18943

agctntctat atattcaaat ggtcagagct tttcacacgg aggaccgatt catgcgcgta 60

atatatcgag atgttcgtaa ctgaacaaca gaagctctcg agaaattcaa atggtcataa 120

cttttcactc ggatgtccaa ttcatgcgca tcacatatct agatgctcga aattcatcaa 180

ccgaagctct atagaaaatgc anatggtcat aagttttcac tcggatgtca cattcaggcg 240

catcacatat cgagacgctc agaattgaac aatggatgct ctcgagatat tcaaatggtc 300

ataacttttc actcgcatgt gtccaattca ggggcatcac atatcgagac gctcgataga 360

gaacaacgg 369

<210> 18944
<211> 460

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18944

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

<210> 18945
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18945

agcttcatca tttcatttcg agggtctcga tatattacgg gactcaatcg gacatccgag 60

aaaaagttat tgtcatttgt atttgctcag agcatcaaca ttcaatttcg agcgtgtcga 120

tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aatttgctca 180

gagcttccgt attcaatttc gagcgtctcg aaatattaca tgactcaatc agacatccga 240

gtaaaaaatt attggtcgtt gaattttctc anagcttcaa cattcaattt cgagggtctc 300

gatatatta 309

<210> 18946
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18946

[illegible]

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tactcggatg tctgattgag ttccgtaata catcgagacc ctcgaaattg attgttgaag 180

ctctcagcaa atttaaacga caataacatt ttactcggat gtctgattga gttccgtaat 240

[illegible] 300

[illegible] 360

[illegible] 420

[illegible] 447

<210> 18947
<211> 382
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18947

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caatgttttc ttttgtcatt ctacttatgt agtagaatat agtataccag ctccatttac 120

aaagacttga aaagactaac cattccttcc atctttgagg taaatngacc accacattgt 180

tgcttcagtt ttgtcaaaat acttctcttca tgatcatcat tggcactctt gtcaaaaagg 240

agccttcgag caagcttctt cctacaagca atcacgcaag aacatgtntg actattcttt 300

tgcaagcatc ttacagtang aaaaaaggta atgatgacac tcaaattagc cacagaaagc 360

agaattcaat gatagactac ca 382

<210> 18948
<211> 412
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18948

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gattgatgtt tataatatat cgacacgctc caaattgaac aatggaagct cttgagcaat 120

tcaaatggtc ataaatagtc actcggaggt ccgattcatg cgcataattt atcaagacgc 180

tcaaaattga acaacagaag cttcaagaa attcaaatgg tcataacttt taagtcggat 240

gtcrgattca ggcacataat atatcgagac tcacgaaatt gaacaacgga agctctcgag 300

aaattcaaat ggtcaaaact tttaactcgg atgtccgatt caagcacata atatatcgag 360

angrgcataa ttgaacaacg gaagcttctcg agaaattcaa atggtctaac tt 412

<210> 18949
<400> 18949

tagggattta ttntaggaca aaactcagat acagacattc tttttcatag gtatttttgg 60

tgttcttcaa ttagaattgg agttttacct atgtaatata tgttgatctt ttatagaaga 120

ttttattacg tggattatca agatgaaact ccaattctga tcggagaaca acactaaaaa 180

cacttaagaa actacaccta agttttgtcc tttatttttat agtaacttttg ttcataaagt 240

tactagaatg atcaataaac tacaaatttg tggttgaata ggaactgaga cgtttcccaa 300

ctctccaagc cgaaatagca gcagctacaa atgaggcttt agagaggttc cgcgaagaga 360

gtaagaagac agctatgcgg cttgtggaca tggaagcttc ctatctcact gtgg 414

<210> 18950
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18950

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catcttcagt gatccattta gggaaacact cttgacatcc atttggtcta attntaaatc 120

cataacataa gcataagtag taatcttacc acttctagtc tagctatcgg tgcataagct 180

taaccaaaga ctatactgtt ttgttggtta tagctcttga ctactatcct tgcctttattc 240

ctagtgatca aaccatgttc attcaattta tttttaaaca ctcatttagt gtaaatgatg 300

ttcatgtttt taaaataagg tattaattcc catatatcat ttctttttaaa ttggttcaac 360

tcctcatgca tggacatcat ccaaaacttta catttgagtg cctcttctat agacaatgg 419

<210> 18951

<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18951

[illegible] 1

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agtggaaaat ccacagttgt tggttttgata gagagatttt atgatccaca ggcaggtgaa 300

gttttcattg acagtatcaa cctcaaagaa ttcaaactga aatggatcag acagaanata 360

ggcctagtta gccaggaacc agttctcttt a 391

<210> 18952
<211> 384
<212> DNA
<213> Glycine max

<400> 18952

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tatatccaaa acggaaagta atcattgctt gaaagttgat ctggaagagg atctgagttc 120

ctccttctac ttgccatttc catcaaaagc tttccaaaac tataaacgtc ggccttatat 180

gatactccac caatattttt gtagtataat tctggagcta tgtagcccaa agttccaatt 240

gcttcaggta aaacaagaga cctatctttc acaggatgta gctttgcaag tccaaaatct 300

gaaaacctttg ggatgaagct ctcatctaga agaatattgt gtggcttgat atcaaaatgt 360

agaatttgca catcacaacc ttca 384

<210> 18953
<211> 396
<212> DNA
<213> Glycine max

<400> 18953

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ggatggcctt gattttctca ggttccactt ggaacccatt tctaccaact acaaaaccta 120

agaaaactat attatctaca caaaaggtac acttctctat atttgcatag agggtgtttt 180

tcctaaggat tgaaagaact tgcctgagat gtcctaagtg atcatctagg ctcctactgt 240

agactaaaat atgatcaaaa taaacaacta caaatctacc tatgaaatcc gttaagacat 300

<210> 18954
<211> 270
<212> DNA
<213> Glycine max

<400> 18954

taatatcccc cacacttttt ggagtgggcc attcttggat ggcctcgatt atctcaggtt 60

ctacttggaa cccatttcta ccatctacaa aacctaagaa tactatatta tctacacaaa 120

aggtacactc ctctatatct gcatagaagg tgttcttcct aaggattgaa agaacttgcc 180

tgagatgtcc taagtgatca tctaagctcc tactgtacac taaaatatca tcaaaataaa 240

caactacaaa tctacctatg aaatcccttа 270

<210> 18955
<211> 389
<212> DNA
<213> Glycine max

<400> 18955

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaatg 60

actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120

tttctggctt cagtaggagt catgtctcca agggctccac cactggcagc atctatcata 180

cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240

tgatggtggg ggcaactggc acatagtttc ttaaatctct cccagtactc atacaggctc 300

tctccactga gttgtctaat acctgagata tccttcctga tggctgtggt cctggaagca 360

gggaaaattt tttctaagaa tactctctt 389

<210> 18956
<211> 429

<212> DNA
<213> Glycine max

<400> 18956

tgaagaataa tgttctcatc aaactatttg tttctcgaag ggaattctat aaataggcct 60

[illegible] 240

gtttaatata atttaaaatt caaaaatata attacatatg ctttaggaat ggatgaatac 300

tttagggtat caaattataa aaatgcaaaa gatatgtggg ataccctaca ggtaacacat 360

ggaagataca catatgtaaa aagatctagg ataaatacat tgacacatga atatgaatta 420

tttagaatg 429

<210> 18957
<211> 412
<212> DNA
<213> Glycine max

<400> 18957

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agtgtgtaat gatttttgtt ttttgtcttg tatgaacatc ctatagtaaa atttacattt 120

ctctctatat gattaacttt ggattttgag tcatacctta tccaaaacta ggcatacatg 180

actttttata ctggtaaagt ttataaaatt ttgttatatg ataagtataa gttatgcaat 240

agttttataa gtactctata gaaggaaaaa aatgtaaact tgagttttaa tataaatttt 300

taatcagata aatatattta tgtataaatt tggttttggt tggattagat tgaattttaa 360

aatgaaatcc aaaatctgat tctatccaaa acatatgagt ttgttaaatt tt 412

<210> 18958
<211> 372
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18958

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cttcctctaa atcccatgc aagaatgcag ttntaacatc taactattcc aagtgaagat 120

tctttgtagc tacaatgctt agaataactc tgatggtagt catctttaca attggagaga 180

aaattctat gaaatcaatt cattgttttt gctgaaatcc tttcaccata agtctcgcct 240

<210> 13959
<211> 403
<212> DNA
<213> Glycine max

<400> 13959

tatgctacaa acatttataa tagaccctct cagtagcatt actaacaaca gcagaataat 60

tatgatcttt caagcaacag atataatcta ggttggaaga atcatccaaa tctgagatgg 120

gcaagtcctc cacaataaca acagcctatc cctcctttcc agaatgttgt tggtccaagc 180

aagccatatg ttcctcctcc aatgcagcag cagacaacaa gcagctgagg ccccttctca 240

accttccttg gaggagttag tgaggcaaat gaccatctag aatatgcaat ttcagcaaga 300

gacaagagcc tccattcaga gtctaacaaa tcagatgggg atgatggcta ctcagttgaa 360

ccaagcttag tcccaaaatt ctgacaaatt tccttcacaa act 403

<210> 13960
<211> 339
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 13960

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atgtccccga atcggacatc tgtgtgaaaa gttatgacca ttcgattttc tcgagagttt 120

cggttgttca atttcgagcg tctcgatata ttatgacccc gaatcggaca tctgtgtgaa 180

aacgtatgac cattcgattc tctcgagagc ttccgttgat caatttcgag cgtctagatg 240

agttatgttc ccgaatcgga cattccaatg aaaacttatg accattcgaa tttctcgaga 300

gctttncgtg gtcaattttc gagcgtctcg atatataat 339

<210> 18961
<211> 294
<212> DNA
<213> Glycine max

[illegible]

gtatacaata ttcggaagct cgaaaatgaa caatggatgc tttcgagaaa attaaatggt 180

gataacttat tacacgggaag tccgatttag gcgcataata taccgagacg ctcgatattg 240

gaactcggaa gcattcaaga aattcatgtg gtgataactt atcacacgga agtc 294

<210> 13962
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13962

gcactcagct atgtaggcaa tcgtgatctt tgtgggcctc cacttaccaa aatatgtttc 60

cagggtggta aacctaacaa cacagagcca atagatgaag atggagatga gtttgcattt 120

ttgtcgtggc tttacattgg aatagaatct ggatttgcca cgggcttttt gggattttgt 180

tgtgtcattt tcttaatcag aaaatggagg catgcatact tcaagtttct ttatgacttg 240

aaagaccaac tttatgtcat ggtggccatc aaaatgaatt ctttttcgttg aggtcggaca 300

caaccatact ggtaagtaaa acctttgatt agttgaaatt tcngttttta ttatacaaga 360

taaaacataga ccatatttta acat 384

<210> 13963
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13963

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tgctttccaaa gttttcatggc cttgtagatg aagacccgca caaacatttg aaagaatttc 120

atattgtctg ctccaccatg aaaccccccag atgtccaaga ggaccacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatgacgag ctggcgatgac cttaagatag tatttttaga aaaaattttc cctgcttcca 300

<210> 18964
<211> 397
<212> DNA
<213> Glycine max

<400> 18964

agcttgtatt atagttaaga gtcatcgagt cactatacca ttaactatga agaaaaagtaa 60

tgatcctttt gctttaatcc attatgaggt atggcgtcca tccccaaaat cttctatata 120

tgggtataga tggatagcga tatttgttga tgattgcact ccaacgacac gtattgactt 180

gatgaaacaa ggatatgatg tggtacacat acttgaacaa tctcatacta tgattcaaac 240

tcaatattca aagaagacta cgatccttcg ctctgatacc atgtataact gatatgatat 300

ttgcatatat ctcaatcgca tcttacaaac ggaaatatgt tatatgtata tacacagaca 360

accctatgtc taattataac tagatcacga taattat 397

<210> 18965
<211> 431
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18965

tttctttctt ttgaggatga gaccagtctt tatccccaaa tacatgggtt ttatttctaa 60

tatcaaccca actataacct ggctacttgt tcatgttgct aatttttatc atcttcctca 120

aacttcgtac atcttcccat tgctactctt ttgcgtaaat atttgaaagc caaacatgag 180

ccacactatt tttaggttca gccttcatca atttgtctgc tgcaagattg gcccttccca 240

tgtccccatg aattttacaa gcccaagaa aagaacacca gccaaaaaca tgttatttat 300

aaagtcttct gcttctttaa gctttccagc tctacctagc aaatcaatag cacaactgta 360

atgctcttct ntagggacta ccccataaat cttttcatgg aattaaagta gttatacccg 420

tcctcaacca t 431

<400> 18966

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attacaccaa gtgagactag atccccttga acagaggtgg gtgagatcat tctagacaga 120

ccaattggaa aaatcttcac aagattgctt gaggggaagg tagccaccaa ttcttttcatg 180

tgcccctgaa accgcattga aatcactaat gtaaacccaa ggtccaagga agttgatcag 240

catagaagag agctcatgcc ataagattgc tcttttaatg ttggaggtgg aaccataaat 300

agtagctaca taacatgaaa tgttgttaat agaaactaca aaagacatgc tttgatcaga 360

gatagctaac atagacaagg aag 383

<210> 18967
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18967

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agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120

tntatacacg gatgtccggt tgagtcctgt aatatatcga gacgctgcaa attgaaaacg 180

gaagctcgta ggacattcaa acgacaataa ctttntactc ggatgttcga ttgaatcggg 240

taatatatcg agacgatcaa aattgagact agaagctctg agcaaattga gatgacaata 300

actttataca ctgatgtgcg gctcagtccc gtgatatatc gagacgctca aaatttagat 360

ccgaagctct cagagaattg aattgacaat aac 393

<210> 18968
<211> 424

<212> DNA
<213> Glycine max

<400> 18968

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[illegible]

[illegible]ggtaaa gcatgaatca [illegible] [illegible] [illegible] [illegible]

[illegible]aaatttaaac ttcaaaagcct caaacaatca ggccgagtac gaggcactca ttgcaggtct 300

aaaactagca acaaaagttg gggccataaa gctctgatgc tacacggact cgcatcttgt 360

ccagggggcag gttgccaact gataccagac caaagagaca atgttgctca agtactacca 420

cgatt 424

<210> 18969
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18969

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tacttcaatt tcctcagatt cctatagaac agagttgtgg gtatgttctg aaagtaaatc 120

ccaaagtcta ggccattctc atgcagagaa tcaaagatgg ttttttgagg atacccttt 180

gctaactgcc tcttgatatg acttgttgaa ccatgagagg ttgctgagta cacaaaaagc 240

ctattgggtt gtgttggacc aggaattgaa gaanaccacc tgtcaaaaac agcaaattcc 300

ttaacaaaag cagcataaat cggcacagag tccggtttaa accctttcat gacagtctca 360

gagaggttgg gagacataga caatgc 386

<210> 18970
<211> 393
<212> DNA
<213> Glycine max

<400> 18970

tgtaaccgac gcatgctaga cggtctttat attacaaga aatccttcca ttgtaagcac 60

accacatatg aatgagttta tttttggaaa tatcatcatt aatgataaaa ataaagattt 120

atggacatac aaacaccata tatatacgca ctgtaaacgg ccaagacttt agctgataca 180

agtgtcatct tctatacttt cgctctcttt ctttatatat atgctgccag attgctcact 240

[illegible]

[illegible]

<210> 18971
<211> 401
<212> DNA
<213> Glycine max

<400> 18971

agcttcaaat ctagcttttg gaagagcttt tgttaaaata tctgcacttt gatcttcagt 60

tattgcagtaa attagtttgg cttcacattc tattctgtgct tcacttaaaa aaaaacttga 120

tcttgaaatg cttagtcctg ccataaaaaa caggattatt tgaaatggaa atagctactt 180

gattatcaac aagaatctgt gtaggctcct tttgttccat atgtaaatca gcaagtatac 240

gccttagcca aataacttga ttcacaactg cagtggctgt catatatact gcagtgcttg 300

tagccttttgt ccacagcttc tttggcaact ccttttttata caacatacac cttgtcatct 360

tcatgatatt tctatttttct tctctcactt gtaccattct a 401

<210> 18972
<211> 416
<212> DNA
<213> Glycine max

<400> 18972

tgttgaaact aaggatggaa tagtgatgca ccagaagaag ttcatttaag attgtttgaa 60

gaggttcaac atggatcaat gtaataatgt agatatttcc gtggaaggaa atatgatact 120

ggatacaggc gatcatgaag cttcagtaga tgccacattg ttcaagaagc tagtgggatg 180

cttgagattc gtcttaccata gtagaccaga aatcttatat ggatttggtc ttggcagcag 240

attcatgagt aatccaaaac agtcttcatt ggcagcagca aatagaatct tgagatatct 300

aaaaggaaca cttaattatg gcatatttat tccttcatcag acagaaaaat gtgagctata 360

cctggtagct tatttgact catactggtg aggggataa gtggagagaa gatcta 416

<210> 18973
<211> 329
<212> DNA
<213> [illegible]

<400> 18973

[illegible]

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aacatacatt tcttcaccaa tccagcaaca acaacagcaa ccgccccaga aacagcaaac 180

aggtgaagct tcttcgcaac cttcccttga agaacttgtg aggcaaatga ctatgccaaa 240

catgagttt caacaagaga ccagagcctt cattcaaagc ttaactaatc agatgggaca 300

catgctaca cagttaaatc aacaacagt 329

<210> 18974
<211> 315
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18974

ccttgtccga aaagtcactt anaaccattt taaggtccaa cgccttanaa cggtcctctt 60

tgctttttatc gattaacatg gaccgttcaa aagcataaga tcaacacata actttaccgc 120

ttttgcaaga actatgtagg tctgagttcc tcatcacana tcgaggatac gtangagcaa 180

aagccccgct tttgtcgacc accccaagag atcgttaatg gtccaacgcc ttaacgtttc 240

tctcctttca aaaaccaaga gatcgttaat ggtccaacgc cttaacgttt ctcttctttc 300

aaaattcaaaa gatca 315

<210> 18975
<211> 439
<212> DNA
<213> Glycine max

<400> 18975

tatcaaaactc agctttacat cgatgttccga ttcgttgaca tgatatatcg agacggtcga 60

aattgaacaa cggaagctct cgatagattc gaatggtcat aacatttcac tcggatgtcc 120

gattcgggga cataatatat cgagacactc gaaattgaac aacggaagct ctcatgatat 180

tcgaatgctc ataacatttc acacggatgt ccgattcggg gacataactt atttagacgc 240

tcgaaattga acaacggaag ctctcgaaaa attcgaatgg tcataagatt tcacacgaat 300

<211> 18976
<212> DNA
<213> Glycine max

<400> 18976

gaatgatactg ctaactctat aattataaat catgcttttg tattctaata tatttcactt 60

cctgtatgct gcgcaaaatc tcattcttac tggtgtcaag tttcagacct tgcatgatga 120

tgggactgtg gaactatggg atatatccgg tagctttgtg ttttcagaaa atgatgttgg 180

gaaaatcatg gcagcaactt ctgttagtaa ctgcaagagc tcacaatgca gtggttgtac 240

aaagcttgac tactcagctg actaatgagc acctttccaa ttttcaagta cctacttcct 300

ctgtctaatc ttccctttct tttaa 325

<211> 18977
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18977

agctcacatt ttnctttatt ctgnnnnctt nggagctgnc aaatgattgg ttgtaatcct 60

ttatgtagt tatgtactat gcataatgcc aaaggacaag tcatactatt cagttttcaa 120

aagggataac cttaaacgtg catcctatat tgcattgngg tggggtggtt aagtaggaaa 180

gagaaacata ataaatacaa aaatatgata aagggatata atgaaataaa aaatgttaat 240

acacatttnt atgtatttct attattgatt aaaatttatt anaacgttag agatnctatn 300

tatnttaaa tgtatntaac tcataatnct attattntta anaagttnta attaacaata 360

aagaatattt taaaataata tatggatctt tnttcacaat aacaacaatg aaattcanac 420

ttaanatttc atgct 435

<210> 18978

<400> 18978

ttaaaaatat aatatcttga tttctaaaat acccattgtc tctcctctt tgtaaacatc 60

aaaaaggcca aagtgcgtaa aacatgaata atttaatcat acacaaagca taatttgtaa 120

aacaaacata taagattctg atacatacat aaagaaaaac atgaataaaa ctaaattgaa 180

atgtaaaacca cttagtcata taacacanac cataaatatc atgttcagtc atactaagca 240

aatattaaaa gaaatactaa gttttcaaat gtcataataa tatagccaaa tacacggcta 300

gtaaacaaaa tactaataat aatagtaatg tctaaactga tagtggtggt ggagggaaat 360

taatgtagtc acgaatgatg gtgaaatctt cttcaacctt tgtgatcctt gagt 414

<210> 18979
<211> 418
<212> DNA
<213> Glycine max

<400> 18979

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agtgactacg atgatagtga caatggtggt gatagttaca ctgacaataa tggtgatgac 120

attagtagcg atagttacag taacaataat ggtggtgaca ttagtagtga tgatggctgc 180

gacaacgaca atggtaatga gtgatagcag cgataatggt ggtgtttctt atggcgacaa 240

tggtngtggt gatgatggtg gtaatgatgg tggtgacaat agtagtaatg gtgatggtta 300

ggatngtgac aatgatgacg acaatgatag tgatgagtgg tgagacactg gtggtgacta 360

tgatngatat gatggtggag acaattgacg agtgacaatg atgtgatggg gttattat 418

<210> 18980
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18980

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[illegible]

[illegible]

cttcgaagaa gttgttttaat ccanatgagc tcacaagtgg ctacagccat agctctatat 300

tcagcctctg cactagacct ttgcacaaca tttgcttctt actctttcat gagacaagaa 360

ttctccaac agacacacaa tatgttgaag tggacgccta tcnatggtga tcctgccatc 420

tgcttgcaaa tccactatt 439

<210> 18981
<211> 294
<212> DNA
<213> Glycine max

<400> 18981

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aaggtgattg gagatgccac ttcaaggaga agagagtcaa gaacaagttc accaccatat 120

gaagccatgg ataagagctt gaaagttgga gaaaatgagt ggagggagag ggagagaatg 180

ggcacgaaat ttatgcctcg aatgaagtct aaaatttgaa gtgtaatttc tcaaatgatc 240

aaagtagaaa taatgcacac aaaaagcctc tatttatagc ctaagtgtca catg 294

<210> 18982
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18982

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atgatttatt aaagaatttg aaaataaaga ttttgaattn ttttgtgatg aacatggtat 120

tcaacataat ttttctgcac caagaacncc tcaacaaaat ggagttgttg agangaaaaa 180

taagtcattg gaagaaattg caagaacntt attaaatgat acttctcttn caagtatttt 240

tgggttgaag ctgtcaatac tgcatgttac atcatgaata gagccttgat aagacctatt 300

ntaaagaana ccccatatga gttatttaac ggtagaaaac ctaatatttc tcatctacat 360

gttttttgat gcaaaagtgt tgtacttaat aatggtaaag ataatctang aaaattcgat 420

<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18983

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tnagggatca agtgaacaaa gagaaactga aagtggagta ctgctacaca tttgatcaac 120

tngctgatat tttaaccaaa cccctcaaag gggagaggtt taaaaatgta aggggcataa 180

tnggcttgat gaacttanga gatcagaata agggagggtg tgagagttta attnttgttt 240

gtgtggggta gaattgtttg tgctttgaat ataagagaga gtaacagaat ttttaaattc 300

ttgtataagt actagcctaa gtgtgagngg ttatttactc tgttttgctt gtataaangg 360

catacataca tcttaataaa gaggatttat tcattctatc attttcagtc tct 413

<210> 18984
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18984

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tcagattcag gcacataata tatcgagacg ctcgaaatta aatagcggaa gctgtcgaga 120

tnttcanatg ctcattactt ttcactcgga ggtccgagtc gagcgcataa tatatcgaga 180

tgctcgaaat tgaacaacgg aagctctcga gaaattcaca tggtcataac tgttgacacg 240

gaggtcagct tcacgcgcat aatatattga gacgctcgat attgaacaac agaagctctc 300

gag 303

<210> 18985
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

[illegible]gtctg ctaaccatg aaacgnnnng nngtcaaaa ggatnacna [illegible] 120

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catcangag ctgggatgac cttaagagag tattcttaga aaaaattnnt ccngcttcca 300

gaaccacagc catcangaag gatatctcag gtattagaca actcagtgga gagagcctgt 360

ngagtactg ggagagatta agaaactatg t 391

<210> 18986
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18986

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gatgaaaacc ccatggatca atgcatatac cacaaggtca atgagagtaa aatatgtttt 120

cttgtttcat atgtagatga tattntactt gcagtcaata atcagggttt gctaaatgag 180

gtgaaacaat ttctctctaa gaattttgac atgaaggata tgggtgatgt atcttatgtc 240

attgacatta atattcatag agataaacct cgaggtattg taggtctatc acatgaaatc 300

natattaaca acaatttaga gagatttang atganagaat gctcaccaag tgtcgctccc 360

att 363

<210> 18987
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18987

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cacagtgggc anagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120

gaagattttc agattgcaac tcttggctac aaaatttgaa catctgaaga tgaaggagga 180

[illegible]

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<210> 18988
<211> 409
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18988

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actagtctcc actttctagg taaacttcgt aagattttat caacatgatc ataattatca 120

taatgtatac ctagagagcg gagctcgttc agaatgattt ggaagtttcc aaacatggtt 180

tgaatatctt ctccctcttc catattaaag agttcatact tatgtgtcag aaggctcaac 240

trgttacgtt ntacgttaga ggacccttcg taggtaatgg ataaggtatc ccacatttgt 300

trggcgcttt tgaagttgtg aactttggaa tattcttgcg cgttagttga taagaaatat 360

agacttatga tcatccatcc atttgtcctt ggggatcttg ttcttctga 409

<210> 18989
<211> 388
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 18989

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atagcttccc cattggtggc agcaaccacg gtggagcctt tccagtggac cgcggcggct 120

cagctccatt ttgaccctct gaagaaagcc ttgttcgaaa ccccggtact tgcctgccg 180

aattttagc taccatttac agtcgagacc aatgcttctg gaatgggcat gggtgcaatc 240

ctctcttagc agggccacac aattgcatat tttagcaagc cattttgcc taagcttcaa 300

cgatcgtcca cttatgtccg agaattgttt gcagtgatgg cggcggtcaa gaaatggtgg 360

caatacctcc tcggtaaccg gttcatca 388

<223> unsure at all n locations
<400> 18990

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ttgtaaagac aagggcttaa ttataattga aaaaaagaag attgtgttta attaattaat 120

tacaaaggt gaaggagctg aacattatgc ctaaagaatc agagagctct cggtaactct 180

tgtacatctt caagtccact ttgcgaaggt aaggtgctcc atccatgcta actttgacaa 240

agcttgcatt agggctgctg ttctttctgc tctcttctcc aacgctcttt tgcacagcca 300

acatgttctt ccggaaggac cgcacaggtg gccaacccac cacctgcgtc ctacacattt 360

caactcatca atatcactct atatattatg atcaattaat acgcatcatg aacatatatg 420

gcaatcatat aacgaagtta aaata 445

<210> 18991
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18991

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atgggcccaa aatctaccct aaggctcata aaaaccctag ggccttctct tgcatctctg 180

gcccaatcta cttggagttt ctatccaatg cccttgcggn gtaagattgc atcattccct 240

ccccctagaa gaggatttga cctcaaatcc cgaggctctt gaactttggg ctttttttct 300

cacactatat aagaacaaaa catatgtata ctg 333

<210> 18992

<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18992

[illegible] 1

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acaaaat 307

<210> 18993
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18993

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ttgattcata tttctaaaaa tttgagacaa aagttgacct aatacgcttc tacaatcttg 180

tcaagataag ttgcatcgag gatgatgaag tcgtcgctat atacttgtaa ggtctcaata 240

actatatata cccccgaaag aaaactactt ctttgacaaa gacggtgttg cactattaga 300

aattacactt tcaacatcgg ttatttaggg cattctacat cggctctaan accgatgttg 360

aaagtgatga tgttgaatgt atcatcgtta acatcggttt ttaaaaaccg atgttaacat 420

anatatgata acatcggttt tctaaataat cgatgtaaac ac 462

<210> 18994
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18994

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ggttagagtt cctttaagat tacgattttg agcttagcta tcatccaggt aaagccaatg 120

tagtagctga tgccttaagt agaanatccc ttcaaatgtc tgctttgatg gttagagact 180

tggatctctt atatcagttt agagacatga gtttggcatg tgagatcacc tctaatatca 240

[illegible] 300

[illegible] 360

[illegible] 406

<210> 18995
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18995

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aagttattgt cgtttgaatt tgtttagagc ttatgttttc aattacgagc gttttgatat 120

cccacgggac acaatcggaa atccgagtta aaagttattg tcgttagaat tttctcatag 180

cttccgtttt caattacgag cgtctcgata tcctacggga cacaatcgaa catccgagtc 240

aaaagttatt gtcgtttgaa tttgctcaga gcttcagttt tcaattacga gcgtctggat 300

atattacaag actcaatcag acatccgagt taaaagttat tgtcgttnga ctnttcatag 360

agcttctgtt ntcaattaga gcgtcttcat atattacgag actata 406

<210> 18996
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18996

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taacgtttca caccgatgtc cgattcgggg acataatata tcgagatgct cgaaattgaa 180

cagcggaagc tatccagaaa ttcaaatgat cctaactttt cacacaggag accgattcgg 240

ggacataata tatcgagacc ctcaaaattg aacaacggaa gctctcgaca aagtcgaatg 300

gtcataactt ttcacacgat gtccgatteg cagacataac tcatctaaac gctccaaatt 360

gaatcaacgga agcaatcgac aaatttgaat ggaataaca 399

<223> unsure at all n locations
<400> 18997

ntgaccattc gaatttcgag agtgcttccg ttgttcaagt tcgagcgtgt cgatatttta 60

tgtccacgaa tcagacatcc gagtgaaatg ttatgaccat tcgaatntgt cgagagcttc 120

cgttgttcaa tttcgagcgt ctcgatatat tatgtccccg aatcgaacat ctaagtgaaa 180

tgttatcacc attcgaattt cttgatagct tctgttgttc aatttcgagc gtttagatga 240

gttatgtacc cgattcgaac atccgagtga aatggtatga ccattcgaat tttcgagag 300

cttccg 306

<210> 18998
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 18998

agcnngnnca ttttctttat cccatnngaa ctntnnggnc tttntcagta agttcatgat 60

cggcctagcc ttctcagcta tccaaggtag aaatcttatc aaagaggcta tgcgtcctgt 120

gagtctttgt atctctttga aagtcttcgg actcctcatc tcaatgacga cttgacattt 180

atctagatta gcttgtatgc ctctttggga aagcataaaa ccaaaaaatt ntcntcctcc 240

aatcccaaga acacattttt agaggttaag tcgtatgtat gtttttggat ttgtgaaatg 300

atcncggcta ggtcctcaac atgggacttg actccatngg atntgaccac tatctcatca 360

acgtacacct ctatatttct acgaatnnta tctttgaaga tcttatccat g 411

<210> 18999
<211> 248
<212> DNA
<213> Glycine max

<400> 18999

taccagctg gccttgaatc agatatccgt gcctatcgca aaggtttgtg ggttgtgctc 60

[illegible] 120

[illegible] 1-

<210> 19000
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 19000

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gataagatct agatgaaata atatctagat gagatcaaat ctagataaga taagataaga 120

taagatctag atgaaataat atctagatga gatcaaatct aaataatatc tagatgagat 180

aaaatctaga taagataaga tctgatagaa taaaattgtc tgctcttttc aagtccaagc 240

ccaattccgg attcaagccc aattgcttat aattctcctg aaattaaatc anaaacacaa 300

aattagtcca gtaggtccaa ttgataaaac tgcatattan attgacaatt aagcctaatc 360

agtaattaaa atgatgacaa aaagggttaa gaaatatgag aaaatgatga cacatcanat 420

ccccncacac tta 433

<210> 19001
<211> 294
<212> DNA
<213> Glycine max

<400> 19001

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ttgtaataat gtgtccaacg agacagctag gcaagcactc attgtagctg gaacatactt 120

agcttcacat gttgataaag ccactatgga ttgcttctta gaactccatg atattggtgt 180

tgcaccatac atgaatatgt aacctataga actctttctg tcatctctgt cccctcccca 240

atccgcatca atatatccca ctaattcctc tgagctgatg cggtctatat ttgg 294

<210> 19002
<211> 273
<212> DNA
<213> [illegible]

[illegible] 60

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[illegible]tacac actgttgacc cttcaacgaa tgagctntaa cagaaagttc agtacagcgt 180

[illegible]atctaatc tccaagctcg gagggtaaca aaacatgcac tcanaccacc aagatccang 240

[illegible]actggctc gaacacatnc attcaatcca aca 273

<210> 19003
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 19003

caagcttgat cttttattct atatctgaca gccaatgggt gagtcccgtc caggtagtcc 60

cgaagaanac cggcctcatc atgataaaaa atgagaagga ggagctgatt cctattcggg 120

tgcagaacag gtagagagtc tgcattgact ataggaggtt gaaccaggtc accaaaaagg 180

accattttcc cctgccattc attgaccaga tgcttgaatg cctggcaggt aaatctcact 240

actgttcctt tgatggttnt tctggctata tgcaaatcac tattactcct gaggatcacg 300

acaacaccac attcaccagc cccttcggaa ctttggccta tagaaggatg cctttcggcc 360

tgtgcaatgc ccctggtacc ttcaagcgga gcatgattag tattttcagt gattttgtag 420

acnatcata gaggtgttat ggatgatntc actgatatgt g 461

<210> 19004
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 19004

tgtcgacctt gctctagcct ctggagaaat ttttgaagga gaatgtttca agtacataaa 60

ggaatgttnt gaaaatggca cattgcatct cattgggcta ctgagtgatg gtggagttca 120

[illegible] 180

[illegible] 240

[illegible] 300

[illegible] 360

[illegible] 417

<210> 19005
<211> 429
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 19005

agcttgacat ttatctggtt cgcatngngn agcagattga tagcgtgatc tgtggatcga 60

gatggcggaa ggtttgtaag tggttgaaac aggcatgagt atttcgtaag taactcagaa 120

atctcgggta agatgggtgg tgttgtagct gattgtgtgt ttgtttccac tctaatatgg 180

aagaaggtgc tagaggggct cctatgtaga agacgacgca gttgcgaggg agacacgggt 240

tcacctattt gctcacgttc cccctgtaac tccacaagct taccctcagt gatgaatttc 300

atggatggag acgtgtagtc tgtcagaacc ggtcctaatg ttntgagcca ttcgactccc 360

agaactacat ctgtgccaca taagggtagg atgtgaaagt ccaccatgaa cgtatgctcc 420

tgcacctgt 429

<210> 19006
<211> 441
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 19006

tgtttacacc taaatacaat catggtattn atactataaa ttaagattat attctaacat 60

tggaaaattt ttacataatt atctaatcat aattggaaaa tttttacata attatctaat 120

cataattgga aaaattctac ataattatct agtcataatt cattatatat agcataaatt 180

ttttgacttt taaaataatt taaacagtta tttaattata taattaaatg ataatataaa 240

aatatttcac attgtatcag cattaacctc ctgcttccgg cttttgtgta caacatggag 300

tcttttaattt tccatccgat atgcggctga tactttgcca cacataaata tataagaaat 360

<211> 276
<212> DNA
<213> Glycine max

<400> 19007

acaacgagat gatgcgctcc atgagagggt ggatcaaatg gagaatagag atcataatga 60

agaagaaagg aggagaagag ggaatgatgg tgttcctaga caaaaccgaa ttgatggtat 120

taaactcaac attcctccat ttaaaggaaa gaatgatccg gaggcctact tggagaggga 180

gatgaaaata gagcatgttt tctcatgcaa caactatgag gaggaccaaa aggtgaagct 240

tgccgccacg gagttttccg actatgctct tgtgtg 276

<210> 19008
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 19008

agcttgngtg tcntgtttat aacttcacaa gagatatttg aaaaaggtat tacaaccatt 60

tctctatctc tttctcttat ttntatatcc ttatgttttc atatgataag aagaanaata 120

aattgaatta agaaaaaaaa ttgatcataa tgatttatcc ctttaggtat aatacaatac 180

caaaattgaa atatttatag catattaggt ctacaatttt tattcttaca atcttaaaaa 240

ataatcattc tcattatgta tgtcttccta gatccaatat gcaataaata tatcaatttt 300

agccttccac catatctaaa ggaataaacc atntaataat aatgactatg caattatatg 360

tgaatgataa aattagtttg tgggtacata atcacttata naaatcatac antttatat 421

tttaatttaa cctataaat 439

<210> 19009
<211> 314
<212> DNA
<213> Glycine max

<400> 19009

[illegible] 60

gaaattacag cacgttcatg tctcagaagt tcaaagttca atcaaagagc tcttcaatgt 180

ttggtcaagc aaaaagaatg agtctggcta tgcgttggtg gagttgaatc aatggtttnt c 240

tcatttgaca ttcaacacgg ttcttcgagt ggtcgttgga aagcgacttt tcngtgctac 300

aactatgaat gatg 314

<210> 19010
<211> 385
<212> DNA
<213> Glycine max

<223> Unsure at all n locations
<400> 19010

ttctaaatga taggctcaga atgcagaaga agtagcaatc aatttaataa tgttctttat 60

acatgcaaga caaaattgat tgcaataata aatgagataa gggaagagag aaatataaac 120

tcgatttata ctggttcggc cactccccgt gcctacgtct agttctcaag caacccactt 180

gagattntcc tttctctttg taaaaccctt ttacaaagtt tgaaccacac agggacaacc 240

catcccttgt gttcagaaat tcttacaact taagagaccc tcagtctctt aatcaatctc 300

tttgattaag aagaagaaga agaagaattc tctcttttaa gagaaagata atacaatgaa 360

gttccataaa ctcttaatag atttg 385

<210> 19011
<211> 338
<212> DNA
<213> Glycine max

<400> 19011

[illegible] 60